Joint Committee on Drinking Water Treatment Units		total committee ballots sent:	33
	Joint Committee on Drinking Water	% committee ballots returned:	85%
	affirmative votes:	8	
	reatment Units	negative votes:	16
		abstentions:	4
Public comment end 3/9/2025	2/0/2025	% affirmative of total ballots sent:	24%
	3/8/2023	% affirmative of total affirmative + negative ballots:	33%

Commenter name	Jun Kim	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	Section 7.2.6.5	
Commenter company	Florida Polytechnic University	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	Substantive / te	
Subject, comment	Hardness and alkalinity, The following language and numbers need to be revisited and modified properly.  In Table 7.8, Chloride (CI-) cannot be controlled with +/- 20% if the target value is > 80 mg/L. Hardness (bottom of the table) should be expressed as CaCO3.  7.2.6.5 d) 200 mg/L of "alkalinity expressed as CaCO3" is insufficient without considering pH.  7.2.6.5 e) 11 mg/L as sulfate is inaccurate.  7.2.6.5 f) 75 mg/L as sodium seems to be low, in the context of "total concentration," because of the existing sodium from sodium bicarbonate (NaHCO3) in d).					
Proposed change	I suggest revisiting the calculation in the updating 7.2.6.5 accordingly.	'PFAS Cation Water Cl	nemistry Lab Results.PDF," check	ing all numbers & expi	ressions, and carefully	
Response to comment	Thank you for your vote and comment. The issue proponent has provided this response:  "Agreed. We will return to the 100 mg/L as currently stated in the standard.  Agreed, "as CaCO3" has been added as requested.					

A Type of comment: **ge** = general **te** = technical **ed** = editorial

Joint Committee on Drinking Water Treatment Units		total committee ballots sent:	33
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	affirmative votes:	8	
	Treatment Units	negative votes:	16
		abstentions:	4
Public comment end 3/9/2	13/0/2025	% affirmative of total ballots sent:	24%
		% affirmative of total affirmative + negative ballots:	33%

Commenter name	Rick Andrew	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	Section 7.2.6.5, Table 7.8
Commenter company	Rick Andrew Consulting Services	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	Substantive
Subject, comment	Values in 7.2.6.5 Seem to Need Some Co order for the prescribed concentrations in Also the units for hardness in Table 7.8 sl	n Table 7.8 to work ou	t. Also, the +/- on the Chloride >		
Response to comment	Thank you for your vote and comment. The issue proponent has provided this response:  "Agreed. We have addressed all comments by Jun Kim.				

Commenter name	Mandy Huntoon	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	Table 7.8
Commenter company	NSF	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	Substantive
Subject, comment	Chloride target and Table 7.7, I agree wit tolerances.  The PFAS influent targets could be remove	·	· ·		average and single point
Response to comment	Thank you for your vote and comment. The issue proponent has provided this response:  "Agreed. We have addressed all comments by Jun Kim, including dropping the change to >80 mg/L and keeping the 100 mg/L in the current standard.				

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		abstentions:	4
Public comment end 3/9/2025	2/0/2025	% affirmative of total ballots sent:	24%
	3/9/2025	% affirmative of total affirmative + negative ballots:	33%

Commenter name	Andrew Lombardo	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	KT Corporation	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	ge	
Subject, comment	Agree with other comments here. Just n	eed to chance those C	CI concentration ranges and it loo	ks good.		
	Thank you for your vote and comment. The issue proponent has provided this response:					
Response to comment	"Agreed. We have addressed all comments by Jun Kim, including the CI concentration range."					
	Look for a revised (r2) ballot soon.					

Commenter name	Tedd Schneidewend	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	Culligan International Company	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	ge	
Subject, comment	Corrections, I agree with other comment	s that were detailed o	ut by Jun Kim.			
	Thank you for your vote and comment. The	ne issue proponent has	s provided this response:			
Response to comment	"Agreed. We have addressed all comments by Jun Kim."					
	Look for a revised (r2) ballot soon.					

Commenter name	Joe Wolff	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	Elkay Manufacturing	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	ge	
Subject, comment	See other comments.					
	Thank you for your vote and comment. The	ne issue proponent has	s provided this response:			
Response to comment	"Agreed. We have addressed all comments by Jun Kim."					
Look for a revised (r2) ballot soon.						

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Joint Committee on Drinking Water Treatment Units		total committee ballots sent:	33
	Joint Committee on Drinking Water	% committee ballots returned:	85%
	affirmative votes:	8	
	Treatment Units	negative votes:	16
		abstentions:	4
Public comment end 3/9/	3/9/2025	% affirmative of total ballots sent:	24%
		% affirmative of total affirmative + negative ballots:	33%

Commenter name	Jeffrey Kempic	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a
Commenter company	U.S. EPA	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	Substantive
Subject, comment	Agree with other negative votes, I agree tolerances make no sense with a target vupper bound on the target value.				
Response to comment	Thank you for your vote and comment. The issue proponent has provided this response:				

Commenter name	Richard Martin	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	RAM Consulting Services	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	ge	
Subject, comment	Revise or rework current ballot proposed	<b>d language,</b> Please rev	vise proposed language as noted	by others.		
	Thank you for your vote and comment. The	ne issue proponent has	s provided this response:			
Response to comment	"Agreed. We have addressed all comments by Jun Kim."					
	Look for a revised (r2) ballot soon.					

Joint Committee on Drinking Water Treatment Units		total committee ballots sent:	33
	Joint Committee on Drinking Water	% committee ballots returned:	85%
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	reatment Units	negative votes:	16
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Public comment end 3/9/2025	2/0/2025	% affirmative of total ballots sent:	24%
	3/9/2023	% affirmative of total affirmative + negative ballots:	33%

Commenter name	Michael Schock	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	Consultant – Public Health/Regulatory	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	Substantive	
Subject, comment	Close but needs some verification and correction, I'm not sure what kind of round-robin testing might have been done to test and validate the reproducibility of the final challenge water mix, but there seem to be recipe errors and other concerns about the target concentrations and possible media fouling. There are several very good water chemistry modeling computer programs (such as PHREEQE from the USGS, available for multiple operating systems and is free). I think two things need to be done. First, verify with a water chemistry model that the target final concentrations are achievable with the recipe and get a sense for the sensitivity of the final parameters with typical process errors from the labs. Also, check estimates of the satiuration states of minerals (if the right ones are in the models) to make sure precipitates won't form that would make the challenge water unstable. In the real world, Mg silicates often form in ground waters and in warm waters, and they're hard to quantitatively predict. So my second suggestion is, like the original development of the NSF 61 Section 9 high alkalinity challenge water for lead and metals, is to send the final corrected and adjusted recipe to multiple certification labs who would be working to certify products under this standard, and see how reproducible and accurate the resulting challenge waters would be under realistic production conditions.					
Proposed change	Covered in the comment.					
Response to comment	Thank you for your vote and comment. The issue proponent has provided this response:  "Lab testing the water parameters was performed by the task group. Results were attached to the ballot as a reference item."  The results are attached to this comment as well. Please let us know if this addresses your concerns.  Look for a revised (r2) ballot soon, based on feedback received.					

Commenter name	Mark Unger	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	The LeverEdge	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	ge	
Subject, comment	Agree with previous comments, Unresolved comments need to be addressed.					
	Thank you for your vote and comment. The	ne issue proponent has	s provided this response:			
Response to comment	"Agreed. We have addressed all comments by Jun Kim."					
	Look for a revised (r2) ballot soon.					

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Joint Committee on Drinking Water Treatment Units		total committee ballots sent:	33
	Joint Committee on Drinking Water	% committee ballots returned:	85%
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	reatment Units	negative votes:	16
		abstentions:	4
Public comment end 3/9/2025	2/0/2025	% affirmative of total ballots sent:	24%
	3/9/2025	% affirmative of total affirmative + negative ballots:	33%

Commenter name	Darren Lytle	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	Hazen and Sawyer	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	ge	
Subject, comment	I agree with other negative votes, Accura	acy questions need to	be examined.			
	Thank you for your vote and comment. The	ne issue proponent has	s provided this response:			
Response to comment	"Agreed. We have addressed all comments by Jun Kim."					
Look for a revised (r2) ballot soon.						

Commenter name	Rob Astle	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	KX Technologies	Affirmative, Negative, Abstain	Negative – comment #1	Type of comment <sup>a</sup>	ge	
Subject, comment	Concerns raised, There have been too m	any concerns raised	needs revisiting.			
	Thank you for your vote and comment. The	ne issue proponent has	s provided this response:			
Response to comment	"Agreed. We have addressed all comments by Jun Kim."					
	Look for a revised (r2) ballot soon.					

Commenter name	Rob Astle	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a		
Commenter company	KX Technologies	Affirmative, Negative, Abstain	Negative - Comment #2	Type of comment <sup>a</sup>	ge		
Subject, comment	Too many objections, Needs revision.	Too many objections, Needs revision.					
	Thank you for your vote and comment. The	ne issue proponent has	s provided this response:				
Response to comment	"Agreed. We have addressed all comments by Jun Kim."						
	Look for a revised (r2) ballot soon.						

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Joint Committee on Drinking Water Treatment Units		total committee ballots sent:	33
	Joint Committee on Drinking Water	% committee ballots returned:	85%
	affirmative votes:	8	
	Treatment Units	negative votes:	16
		abstentions:	4
Public comment end	3/9/2025	% affirmative of total ballots sent:	24%
		% affirmative of total affirmative + negative ballots:	33%

Commenter name	Rob Astle	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	KX Technolgies	Affirmative, Negative, Abstain	Negative – Comment #3	Type of comment <sup>a</sup>	ge	
Subject, comment	Methodology, Enough concern has been	raised about accuracy	and method to warrant revisiting	g first.		
	Thank you for your vote and comment. The	ne issue proponent has	s provided this response:			
Response to comment	"Agreed. We have addressed all comments by Jun Kim."					
	Look for a revised (r2) ballot soon.					

Commenter name	Becky Tallon	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	A.O. Smith Corporation	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	ge	
Subject, comment	Same comments as already submitted, A	Agree with comments	already submitted by others for r	evisions needed.		
	Thank you for your vote and comment. The	ne issue proponent has	s provided this response:			
Response to comment	"Agreed. We have addressed all comments by Jun Kim."					
	Look for a revised (r2) ballot soon.					

Commenter name	Brook Hatton	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a
Commenter company	CSA Group	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	ge
Subject, comment	Corrections are needed regarding conce Mandy points out that the PFAS concentr				s should be addressed.
	Thank you for your vote and comment. The	ne issue proponent has	s provided this response:		
Response to comment	"Agreed. We have addressed all comments by Jun Kim. The influent targets in Table 7.8 were not added as part of this ballot; they are in the existing standard. They could be removed by a separate ballot."				
	Look for a revised (r2) ballot soon.				

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	affirmative votes:	8	
	Treatment Units	negative votes:	16
		abstentions:	4
Public comment end 3/9/2	3/9/2025	% affirmative of total ballots sent:	24%
		% affirmative of total affirmative + negative ballots:	33%

Commenter name	Jonathan Brania	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	UL Solutions	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	ge	
Subject, comment	Same comments, Agree with comments already provided.					
	Thank you for your vote and comment. The issue proponent has provided this response:  "Agreed. We have addressed all comments by Jun Kim."					
Response to comment						
	Look for a revised (r2) ballot soon.					

Commenter name	France Lemieux	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	Health Canada	Affirmative, Negative, Abstain	Negative	Type of comment <sup>a</sup>	ge	
Subject, comment	Need to revisit, Like others, I feel there seem to be errors and other concerns about the concentrations in the ballot for the water chemistry make-up. I need to be reviewed and validation testing should occur, preferably before the ballot is re-issued.					
Response to comment	Thank you for your vote and comment. The issue proponent has provided this response:  "Agreed. We have addressed all comments by Jun Kim.  Lab testing the water parameters was performed by the task group. Results were attached to the ballot as a reference item."  The results are attached to this comment as well. Please let us know if this addresses your concerns.  Look for a revised (r2) ballot soon, based on feedback received.					

Group	Joint Committee on Drinking Water	total committee ballots sent:	33
		% committee ballots returned:	85%
		affirmative votes:	8
		negative votes:	16
		abstentions:	4
Public comment end	3/9/2025	% affirmative of total ballots sent:	24%
		% affirmative of total affirmative + negative ballots:	33%

Commenter name	Sun Yong Lee	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	PUREMEM Co.	Affirmative, Negative, Abstain	No Vote	Type of comment <sup>a</sup>	ge	
Subject, comment	<u>I agree with the points raised by many</u> , It seems necessary to verify the reproducibility regarding the test water. Additionally, the aspects proposed by Professor Kim should also be reviewed.					
	Thank you for your vote and comment. The issue proponent has provided this response:					
Response to comment	"Agreed. We have addressed all comments by Jun Kim. Lab testing the water parameters was performed by the task group. Results were attached to the ballot as a reference item."					
	The results are attached to this comment as well. Please let us know if this addresses your concerns.					
	Look for a revised (r2) ballot soon, based on feedback received.					

Commenter name	Shannon Murphy	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	Aquamor	Affirmative, Negative, Abstain	Abstain	Type of comment <sup>a</sup>	ge	
Subject, comment	Number of comments on the ballot, Abstaining more as to make note on the number of comments on the ballot already which leads to additional work and review.					
	Thank you for your vote and comment. The issue proponent has provided this response:					
Response to comment	"Agreed. We have addressed all comments by Jun Kim."					
	Look for a revised (r2) ballot soon.					

I Group	Joint Committee on Drinking Water Treatment Units	total committee ballots sent:	33
		% committee ballots returned:	85%
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Public comment end	3/9/2025	% affirmative of total ballots sent:	24%
		% affirmative of total affirmative + negative ballots:	33%

Commenter name	Ariel Zoldan	Voter or Nonvoter	Voter	Section, paragraph, figure, table, etc.	N/a	
Commenter company	Michigan Dept. of Environment, Great Lakes, & Energy	Affirmative, Negative, Abstain	No vote	Type of comment <sup>a</sup>	ge	
Subject, comment	Edits needed, Supporting members who have stated that there are mistakes that need to be fixed before this ballot can be approved.					
Proposed change	Update table and fix chloride values.					
	Thank you for your vote and comment. The issue proponent has provided this response:					
Response to comment	"Agreed. We have addressed all comments by Jun Kim."					
	Look for a revised (r2) ballot soon.					