From:
 McGill, Richard

 To:
 Brown, Don

 Cc:
 Horton, Vanessa

Subject: FW: R18-26 proposed first notice changes

Date: Monday, February 27, 2023 5:01:09 PM

Attachments: <u>image001.png</u>

<u>35-601 Board responses.pdf</u> <u>35-601RG-P r01 (46-22).pdf</u>

Good evening, Mr. Clerk:

Please docket this email exchange with JCAR, including the two attachments, as a public comment in R18-26.

Thank you.

Richard R. McGill, Jr.
Senior Attorney for Research & Writing
Illinois Pollution Control Board
60 E. Van Buren St., Suite 630
Chicago, Illinois 60605
richard.mcgill@illinois.gov (312) 814-6983



From: McGill, Richard

Sent: Monday, February 27, 2023 4:47 PM **To:** Eastvold, Jonathan C. < Jonathan E@ilga.gov> **Subject:** RE: R18-26 proposed first notice changes

Good evening, Jonathan:

I've attached two documents. The first document contains Board staff responses to your proposed Part 601 changes emailed to me on June 24, 2022. The second document is the JCAR line-numbered r01 referenced in your changes and our responses. Our responses include related changes prompted by your suggestions.

Thank you for your careful review. Please let me know if you have any questions.

Best regards,

Richard

Richard R. McGill, Jr.
Senior Attorney for Research & Writing
Illinois Pollution Control Board
60 E. Van Buren St., Suite 630
Chicago, Illinois 60605

richard.mcgill@illinois.gov (312) 814-6983



From: Eastvold, Jonathan C. < <u>Jonathan E@ilga.gov</u>>

Sent: Friday, June 24, 2022 9:39 AM

To: McGill, Richard < <u>Richard.McGill@illinois.gov</u>>

Subject: [External] R18-26 proposed first notice changes

Here are some possible technical changes, sorted by Part, for the Board to consider. Any of these changes that you wish to make can be simply copied into your first notice changes document.

Thanks in advance for your consideration.

Sincerely,

Jonathan C. Eastvold, Ph.D. Rules Analyst III

Illinois General Assembly
Joint Committee on Administrative Rules
700 Stratton Building
Springfield IL 62706
217-524-9010

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Board staff responses and related changes (2/27/23) appear in bold, red font below.

Rulemaking: Introduction (35 Ill. Adm. Code 601; 46 Ill. Reg. 8604)

Changes:

- 1. In line 75, after "financial" add a comma.
 - a. Agree.
 - b. In lines 10 and 61, delete "Subtitle" and restore "Chapter".
 - c. In lines 55-56, delete "in finished water must not exceed the secondary MCLs".
 - d. In line 56, delete the colon.
 - e. In lines 56-57, restore "should not be exceeded in the finished water.".
 - f. In lines 63 and 68, delete "Subtitle" and add "Chapter".
- 2. In line 85, strike "regulations" and add "<u>rules</u>". **a. Agree.** Strike "with" and add "<u>to</u>". **b. Agree.**
- 3. In line 87, after "1417(a)" add a comma.
 - a. Agree.
 - b. Strike "Sections" and add "sections".
- 4. In line 89, after "300g-6(a)" add a comma. Agree.
- 5. In line 90, strike "regulations" and add "rules".

- a. Agree.
- b. In line 121, strike "these rules" and add "this Chapter or its". Strike "is adjudged invalid, or if the".
- 6. In line 122, strike "adjudged" and add "determined to be".
 - a. Disagree. The word "adjudged" indicates judicial action and is used in the recently adopted severability provision at 35 Ill. Adm. Code 845.160.
 - b. After the comma add "that adjudication".
 - c. Delete "the" and strike "invalidity".
 - d. In line 123, delete "Subtitle" and restore "Chapter". After "whole" strike the comma.
- 7. In line 123, strike "part, sub-part, sentence or clause" and add "Part, Subpart, Section, section, sentence, or clause".
 - a. Disagree. After "any" add "portion". Strike "other part, sub-part, sentence or clause".
 - b. In line 124, delete "will" and "be".
- 8. In lines 130-131, strike "and regulations" and add "in this Subtitle F". **Agree.**
- 9. In line 131, after "monitoring" add a comma. **Agree.**
- 10. In line 143, after "603" add a comma.
 - a. Agree.
 - b. Strike "purposes of".
- 11. In line 157, after "transmissivity" add a comma. Agree.
- 12. In line 158, after "head" add a comma. Agree.
- 13. In line 168, strike the comma. Agree.
- 14. In line 175, after "pH" add a comma.
 - Agree.
- 15. In line 192, strike "water bearing" and add "water-bearing".

 Agree.
- 16. In line 217, strike "phenylenediamine" and add "<u>phenylenediamine</u>". **Agree.**

- 17. In line 228, after "pressure head" add a comma. Agree.
- 18. In line 232, strike "cross section" and add "cross-section".

 Disagree as "cross section" is a noun.
- 19. In line 237, after "pipes" add a comma. Agree.
- 20. In line 239, after "tanks" add a comma. Agree.
- 21. In lines 240-241, strike "for the purpose of furnishing" and add "<u>to furnish</u>". **Agree.**
- 22. In line 246, after "means" add "the".

 Agree.
- 23. EITHER:
 - a. In line 252, strike "serves" and add "serve". **Agree to option a.** OR
 - b. The following:
 - i. In line 249, strike "all" and add "a".
 - ii. In line 250, strike "supplies" and add "supply" twice.
 - iii. In line 250, strike "and those" and add "or a".
 - iv. In line 250, strike "expand their" and add "expands its".
 - v. In line 251, after "residents or" add "that".
- 24. In line 252, after "supply" add "<u>that is</u>". **Agree.**
- 25. In line 253, strike "that" and add "<u>but</u>". **Agree (for the first "that").**
- 26. In line 255, strike the comma. **Agree.**
- 27. In line 270, after "pipes" add a comma. Agree.
- 28. In line 273, after "*tanks*" add a comma. **Agree.**
- 29. In line 294, strike "these regulations" and add "this Subtitle F".

 Disagree. Strike "these regulations" and add "this Chapter".
- 30. In line 324, strike "for" and add "with".

Disagree. Strike "the purpose of".

- 31. In lines 325 and 329, after "dwelling" add a comma. **a.** Agree.
 - b. In line 362, delete "Subtitle" and restore "Chapter".
- 32. In line 370, after "by" add "<u>ASTM International (formerly the</u>". **Agree.**
- 33. In line 371, after "Materials" add ")".

 Agree.
- 34. In lines 376-377, strike "the National Science Foundation International" and add "NSF International (formerly the National Sanitation Foundation)".

 Agree.
- 35. In line 542, after "NSF" strike ". National Sanitation Foundation". **Agree.**
- In lines 542-543, strike "3475 Plymouth Road, PO Box 130140" and add "<u>789 Dixboro Road</u>".
 Disagree. Strike "3475 Plymouth Road, PO Box 130140" and add "<u>789 N. Dixboro Road</u>".
- 37. In line 543, strike "48113-0140" and add "<u>48105</u>". **Agree.**
- 38. In line 561, strike "PO Box 7126" and add "<u>821 Corning Tower</u>". **Agree.**
- 39. In line 562, strike "12224" and add "<u>12237</u>". **a. Agree.** Strike "439-7286" and add "<u>431-1200</u>". **b. Agree.**
- 40. In line 570, strike "on-line" and add "<u>online</u>". **Agree.**

1		TITLE 35: ENVIRONMENTAL PROTECTION	
2	SUBTITLE F: PUBLIC WATER SUPPLIES		
3	CHAPTER I: POLLUTION CONTROL BOARD		
4			
5		PART 601	
6		INTRODUCTION	
7			
8	Section		
9	601.101	General Requirements	
10	601.102	Applicability and Organization of this Subtitle Chapter	
11	601.103	Severability	
12	601.104	Analytical Testing	
13	601.105	Definitions	
14	601.115	Incorporation by Reference	
15			
16	601.APPEN	NDIX A References to Former Rules (Repealed)	
17			
18		TY: Implementing Section 17 and authorized by Section 27 of the Environmental	
19	Protection A	Act [415 ILCS 5/17 and 27].	
20	~~~~~		
21		Filed with Secretary of State January 1, 1978; amended at 2 Ill. Reg. 36, p. 72,	
22		ugust 29, 1978; amended at 3 III. Reg. 13, p. 236, effective March 30, 1979; amended	
23		d at 6 Ill. Reg. 11497, effective September 14, 1982; amended at 6 Ill. Reg. 14344,	
24		ovember 3, 1982; amended in R84-12 at 14 III. Reg. 1379, effective January 8, 1990;	
25		R89-5 at 16 III. Reg. 1585, effective January 10, 1992; amended in R96-18 at 21 III.	
26		effective May 8, 1997; amended in R15-22 at 40 III. Reg. 6784, effective April 15,	
27		ided in R18-17 at 43 III. Reg. 8016, effective July 26, 2019; amended in R18-26 at 46	
28	III. Keg	, effective	
29 30	Section 601	1.101 General Requirements	
31	Section out	1.101 General Requirements	
32	a)	Owners and official custodians of a public water supply in the State of Illinois	
33	α)	must provide, under the Act, Board Rules, and the Safe Drinking Water Act (42)	
34		U.S.C. USC 300f et seq.), continuous operation and maintenance of public water	
35		supply facilities to assure that the water is safe in quality, clean, adequate in	
36		quantity, and of satisfactory mineral characteristics for ordinary domestic	
37		consumption.	
38		consumption.	
39	b)	Finished Water Quality	
40	0)		
41		1) The finished water delivered to any user at any point in the distribution	
42		system must contain no impurity at a concentration that may be hazardous	
43		to the health of the consumer or that would be excessively corrosive or	

otherwise deleterious to the water supply. Drinking water delivered to any user at any point in the distribution system must contain no impurity that could reasonably be expected to cause offense to the sense of sight, taste, or smell.

- Any No substance used in treatment <u>must not should</u> remain in the water at a concentration greater than that required by good practice. A substance that may have a deleterious physiological effect, or one for which physiological effects are not known, must not be used in a manner that would permit it to reach the consumer.
- 3) Concentrations of constituents <u>in finished water must not exceed the secondary MCLs</u> listed in the following chart: <u>should not be exceeded in the finished water.</u>

Contaminant	Secondary MCL	Noticeable Effects above the Secondary MCL
Aluminum	0.2 mg/L	colored water
Chloride	250 mg/L	salty taste
Color	15 color units	visible tint
Copper	1 mg/L	metallic taste; blue-green staining
Fluoride	2.0 mg/L	tooth discoloration
Foaming Agents	0.5 mg/L	frothy, cloudy; bitter taste; odor
Iron	0.3 mg/L	rusty color; sediment; metallic taste; reddish or orange staining
Manganese	0.05 mg/L	black to brown color; black staining; bitter metallic taste
Odor	3 T.O.N. (Threshold Odor Number)	"rotten-egg", musty or chemical smell
Silver	0.1 mg/L	skin discoloration; graying of the white part of the eye

1st Notice JCAR350601-2208604r01

250 mg/L

500 mg/L

salty taste

hardness; deposits;

Sulfate

Total Dissolved

Solids colored water; staining; salty taste 59 (Source: Amended at 46 Ill. Reg. _____, effective _____) 60 61 Section 601.102 Applicability and Organization of this Subtitle Chapter 62 63 a) This Subtitle applies The provisions of this Chapter shall apply to groundwater 64 and public water supplies, except for those designated as non-community water 65 supplies. A public water supply endsshall be considered to end at each service 66 connection. 67 68 b) The rules in this Subtitle Board regulations adopted in this Chapter are organized as follows:provided in this Section. 69 70 71 1) Part 601 contains definitions, analytical testing requirements, and 72 incorporations by reference applicable to Parts 601, 602, 603, and 604607. 73 74 2) Part 602 contains permitting requirements and standards for community 75 water supplies and technical, financial and managerial capacity 76 requirements for new community water supplies. 77 78 3) Part 603 contains ownership and responsible personnel requirements for 79 community water supplies. 80 81 4) Part 604 contains design, operation, and maintenance criteria for community water supplies. Part 607 contains requirements for emergency 82 83 operation and cross-connection control. 84 85 5) Part 611 contains regulations identical in substance with federal regulations promulgated by the United States Environmental Protection 86 Agency (USEPA) underpursuant to Sections 1412(b), 1414(c), 1417(a) 87 88 and 1445(a) of the Safe Drinking Water Act (SDWA) (42 U.S.C. USC 89 300g-1(b), 300g-3(c), 300g-6(a) and 300j-4(a)). Part 611 establishes 90 primary drinking water regulations and includes definitions and 91 incorporations by reference applicable to Part 611. 92 93 Part 615 contains requirements and standards for the protection of 6) 94 groundwater for certain types of existing facilities or units located wholly

1st Notice JCAR350601-2208604r01 95 or partially within a setback zone or a regulated recharge area. Part 615 96 includes definitions and incorporations by reference applicable to Part 97 615. 98 99 7) Part 616 contains requirements and standards for the protection of 100 groundwater for certain types of new facilities or units located wholly or 101 partially within a setback zone or a regulated recharge area. Part 616 102 includes definitions applicable to Part 616. 103 104 8) Part 617 contains the requirements and standards for regulated recharge areas. Part 617 includes definitions and an incorporation by reference 105 106 applicable to Part 617. 107 108 9) Part 618 contains requirements and standards for maximum setback zones. 109 Part 618 includes definitions applicable to Part 618. 110 111 10) Part 620 contains the method of classification of groundwater, 112 nondegradation provisions, the groundwater quality standards, and 113 procedures and protocols for the management and protection of 114 groundwater. Part 620 includes definitions and incorporations by 115 reference applicable to Part 620. 116 (Source: Amended at 46 Ill. Reg. _____, effective _____) 117 118 119 Section 601.103 Severability 120 121 If any provision of these rules or regulations is adjudged invalid, or if the application thereof to 122 any person or in any circumstance is adjudged invalid, the such invalidity will shall not affect the 123 validity of this Subtitle Chapter as a whole, or any other part, sub-part, sentence or clause 124 willthereof not be adjudged invalid. 125 126 (Source: Amended at 46 Ill. Reg. _____, effective _____) 127 128 **Section 601.104 Analytical Testing** 129 130 To determine compliance with the community water supplies rules and a) 131 regulations (35 III. Adm. Code. Subtitle F), all sampling, monitoring and testing 132 mustshall be made according to the methods described in 35 Ill. Adm. Code 611,

the National Primary Drinking Water Regulations (40 CFR 141), orand any other

All analyses for substances other than those listed in 35 Ill. Adm. Code 611 must

method specifically approved by the Agency.

be performed by methods acceptable to the Agency.

133

134

135136

137

b)

138		
139	(Source	e: Amended at 46 Ill. Reg, effective)
140	`	<u> </u>
141	Section 601.10	05 Definitions
142		
143	a)	For purposes of 35 Ill. Adm. Code 601, 602, 603 and 604, unless a different
144	,	meaning of a word or term is clear from the context:
145		
146		"Act" means the Environmental Protection Act [415 ILCS 5].
147		
148		"Agency" means the Illinois Environmental Protection Agency.
149		
150		"Air Gap" means the unobstructed vertical distance through the free atmosphere
151		between the water discharge point and the flood level rim of the receptacle.
152		
153		"Atmospheric Vacuum Breaker" means a device designed to admit atmospheric
154		pressure into a piping system whenever a vacuum is caused on the upstream side
155		of the receptacle.
156		
157		"Aquifer Property Data" means the porosity, hydraulic conductivity, transmissivity
158		and storage coefficient of an aquifer, head and hydraulic gradient.
159		
160		"Board" means the Illinois Pollution Control Board.
161		
162		"Boil Order" means a notice to boil all drinking and culinary water for at least
163		five minutes before use, issued by the proper authorities to the consumers of a
164		public water supply affected, whenever the water being supplied may have
165		become microbiologically contaminated.
166		"Contified I shoustows" masses one laboratory contified and a Costion 1(a) of the
167		"Certified Laboratory" means any laboratory certified under Section 4(o) of the
168 169		Act, or certified by USEPA for the specific parameters to be examined.
170		"Chlorine"
170		Chlorine
172		"Chlorine Demand" means the difference between the amount of chlorine
173		applied to a given water and the amount of total available chlorine
174		remaining at the end of the contact period. All test conditions (contact
175		time, pH and temperature) must be given, expressing the chlorine demand
176		in a given water.
177		
178		"Combined Chlorine" means the reaction product formed when chlorine
179		has reacted with ammonia to form chloramines.
180		

181	"Free Chlorine" means the residual chlorine existing in water as the sum
182	of hypochlorous acid and hypochlorite ion.
183	
184	"Total Chlorine" means the sum of the free chlorine and the combined
185	chlorine.
186	
187	"Community Water Supply" or "CWS" means a public water supply which serves
188	or is intended to serve at least 15 service connections used by residents or
189	regularly serves at least 25 residents. [415 ILCS 5/3.145](Section 3.145 of the
190	Act)
191	
192	"Confined Geologic Formations" are geologic water bearing formations protected
193	against the entrance of contamination by other geologic formations.
194	
195	"Conventional Filtration Treatment" means a series of processes, including
196	coagulation, flocculation, sedimentation, and filtration resulting in substantial
197	particulate removal.
198	1
199	"Cross-connection" means any physical connection or arrangement between two
200	otherwise separate piping systems where flow from one system to the other is
201	possible.
202	•
203	"CT" or "CT _{calc} " is the product of "residual disinfectant concentration" (RDC or
204	C) in mg/L determined before or at the first customer, and the corresponding
205	"disinfectant contact time" (T) in minutes. If a supplier applies disinfectants at
206	more than one point prior to the first customer, it must determine the CT of each
207	disinfectant sequence before or at the first customer to determine the total percent
208	inactivation or "total inactivation ratio". In determining the total inactivation
209	ratio, the supplier must determine the RDC of each disinfection sequence and
210	corresponding contact time before any subsequent disinfection application points.
211	
212	"Disinfectant" means any agent, including chlorine, chlorine dioxide,
213	chloramines, and ozone, added to water in any part of the treatment or distribution
214	process, that is intended to kill or inactivate pathogenic microorganisms.
215	process, that is interest to init of materials participated interesting
216	"DPD Method" means an analytical method for determining chlorine residual
217	utilizing the reagent DPD (n-diethyl-p-phenylenediamine).
218	utilizing the reagons 212 (in cloudy) p phonytony tenedralismo).
219	"Effective External Linkage" is the ability of a water system to communicate and
220	exchange information with water customers, regulators, technical and financial
221	assistance organizations, and other entities that routinely interact with the water
222	system

223

265

224	"Groundwater" means underground water which occurs within the saturated zone
225	and geologic materials where the fluid pressure in the pore space is equal to or
226	greater than atmospheric pressure. [415 ILCS 5/3.210](Section 3.210 of the Act)
227	
228	"Head" means the sum of the elevation head, pressure head and velocity head at a
229	given point in an aquifer.
230	
231	"Hydraulic Conductivity" means the rate of flow in gallons per day (gpd) through a
232	cross section of one square foot (ft^2) under a unit hydraulic gradient (gpd/ft^2).
233	eross section of one square root (iv) under a unit il staunt gradient (gp art).
234	"Hydraulic Gradient" means the rate of change of total head per unit distance of
235	flow in a given direction.
236	
237	"Infrastructure" means all mains, pipes and structures through which water is
238	obtained and distributed to the public, including wells and well structures, intakes
239	and cribs, pumping stations, treatment plants, reservoirs, storage tanks and
240	appurtenances, collectively or severally, actually used or intended to be used for the
241	purpose of furnishing water for drinking or general domestic use.
242	purpose of furnishing water for utiliking of general domestic use.
243	"Interconnection" means a physical connection between two or more community
244	water supply systems.
245	water suppry systems.
246	"Maximum Average Daily Demand" or "Maximum Demand" means highest
247	average daily production over seven consecutive days.
248	average daily production over seven consecutive days.
249	"New Community Water Supply" means, beginning after October 1, 1999, all new
250	community water supplies and those water supplies that expand their infrastructure
251	to serve or intend to serve at least 15 service connections used by residents or
252	regularly serves at least 25 residents. Any water supply not currently a community
253	water supply that adds residents so that the total served is 25 residents or more
254	water supply that adds residents so that the total served is 25 residents of more without constructing additional infrastructure will become a community water
255	supply, but will not be required to demonstrate capacity under 35 Ill. Adm. Code
256	602.103 unless the community water supply is on restricted status as required by 35
257	Ill. Adm. Code 602.106.
258	III. Adili. Code 002.100.
	"Non-community Water Supply" means a public water supply that is not a
259	7 11 7 1 11 7
260 261	community water supply. [415 ILCS 5/3.145](Section 3.145 of the Act)
261 262	"Official Custodian" manage an individual subsite an officer of an entire that is the
262	"Official Custodian" means an individual who is an officer of an entity that is the
263	owner of a community water supply and acts as the owner's agent in matters
264	concerning the community water supply. [415 ILCS 45/9.4]

1st Notice

JCAR350601-2208604r01

"Porosity" means the percentage of the bulk volume of a rock or soil that is occupied by interstices, whether isolated or connected, as defined by the ratio of the pore volume to the total volume of a representative sample of the medium.

"Public Water Supply" means all mains, pipes and structures through which water is obtained and distributed to the public, including wells and well structures, intakes and cribs, pumping stations, treatment plants, reservoirs, storage tanks and appurtenances, collectively or severally, actually used or intended for use for the purpose of furnishing water for drinking or general domestic use and which serve at least 15 service connections or which regularly serve at least 25 persons at least 60 days per year. [415 ILCS 5/3.365](Section 3.365 of the Act)

"Responsible Operator in Charge" *means an individual who is designated as a Responsible Operator in Charge of a community water supply* under Section 1 of the Public Water Supply Operations Act [415 ILCS 45/1] and 35 Ill. Adm. Code 603. [415 ILCS 45/9.6]

"Satellite Supply" means any community water supply that:

purchases all finished water from another community water supply;

does not provide any treatment other than chlorination or corrosion control; and

distributes finished water to the consumers.

"Sell Water" means to deliver or provide potable water, obtained from a public water supply subject to these regulations, to the consumer, who is then individually or specifically billed for water service, or where any monetary assessment is levied or required and specifically used for water service. Water supply facilities owned or operated by political subdivisions, homeowners' associations, and not-for-profit associations, as well as privately owned utilities regulated by the Illinois Commerce Commission, are considered to sell water whether or not a charge is specifically made for water.

"SEP" means special exception permit.

"Service Connection" is the opening, including all fittings and appurtenances, at the water main through which water is supplied to the user through a water service line.

308	"Storage Coefficient" means the volume of water an aquifer releases from or takes
309	into storage per unit surface area of the aquifer per unit change in head.
310	
311	"Surface Water" means all tributary streams and drainage basins, including
312	natural lakes and artificial reservoirs, which may affect a specific water supply
313	above the point of water supply intake.
314	and the state of t
315	"Surface Water Supply Source" means any surface water used as a water source
316	for a public water supply.
317	1 11 7
318	"Supply" means a community water supply.
319	
320	"Transmissivity" means the rate in gallons per minute (gpm), at which water is
321	transmitted horizontally through a unit width by the total saturated thickness of an
322	aquifer, in feet (ft), under a unit hydraulic gradient (gpm/ft).
323	
324	"Water Main" means any pipe for the purpose of distributing potable water that
325	serves or is accessible to more than one property, dwelling or rental unit and is
326	exterior to buildings.
327	č
328	"Water Service Line" means any pipe from the water main or source of potable
329	water supply that serves or is accessible to not more than one property, dwelling or
330	rental unit of the user.
331	
332	"Well Hydraulics" means equations that are applied to understand the effect that a
333	pumping well structure has on inducing the movement of water through permeable
334	rock formations and certain aquifer properties to determine the rate of withdrawal
335	of the well. This term is inclusive of equations that quantify wellbore skin
336	effects/well loss.
337	
338	"Wellhead Protection Area" or "WHPA" means the surface and subsurface recharge
339	area surrounding a community water supply well or well field, delineated outside of
340	any applicable setback zones (under Section 17.1 of the Act) established under
341	Illinois' Wellhead Protection Program, through which contaminants are reasonably
342	likely to move toward the well or well field.
343	
344	"Wellhead Protection Measures" means management practices needed to mitigate
345	existing and future threats to the water quality within the delineated WHPA.
346	
347	"Wellhead Protection Program" means the Wellhead Protection Program for the
348	State of Illinois, approved by USEPA under section 1428 of the SDWA (42
349	<u>U.S.C.</u> USC 300h-7).
350	

351 352	b)	Terms not specifically defined in subsection (a), will have the meanings ascribed in 35 Ill. Adm. Code 611.		
353 354	c)	Terms not specifically defined in subsection (a) or (b) will have the meanings		
355		specified in The Water Dictionary, incorporated by reference in Section 601.115.		
356				
357	(Sour	ce: Amended at 46 Ill. Reg, effective)		
358				
359	Section 601.1	115 Incorporations by Reference		
360				
361	a)	Abbreviations and Short-name Listing of References. The following names and		
362		abbreviated names are used in this <u>Subtitle Chapter I</u> to refer to materials		
363		incorporated by reference:		
364				
365		"ANSI" means those standards published by American National Standards		
366		Institute.		
367				
368		"ASME" means the American Society of Mechanical Engineers.		
369				
370		"ASTM" means those standards published by American Society for Testing and		
371		Materials.		
372				
373		"AWWA" means those standards published by the American Water Works		
374		Association.		
375				
376		"NSF" means those standards published by the National Science Foundation		
377		International.		
378				
379		"Recommended Standards" means "Recommended Standards for Water Works –		
880		Policies for the Review and Approval of Plans and Specifications for Public		
881		Water Supplies".		
382				
383	b)	The <u>Board</u> Agency incorporates the following materials by reference:		
384				
385		ASME. American Society of Mechanical Engineers, Two Park Avenue,		
386		New York NY 10016, (800)843-2763, www.asme.org.		
387				
388		ASME BPVC-VIII-1-2015, Boiler & Pressure Vessel Code		
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396	ACTM C 76 16 Standard Specification for Dainforced Congrets	
397	ASTM C 76-16, Standard Specification for Reinforced Concrete	
398	Culvert, Storm Drain, and Sewer Pipe, approved November 1,	
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401	ASTM C 361-16, Standard Specification for Reinforced Concrete	
402	Low-Head Pressure Pipe, approved September 1, 2016.	
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404	ASTM C 443-12, Standard Specification for Joints for Concrete	
405	Pipe and Manholes, Using Rubber Gaskets, approved September 1,	
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407	ACTIM D 1704 11 Ct 1 1C 'C' t' C D' '1D 1 (V' 1	
408	ASTM D 1784-11, Standard Specification for Rigid Poly(Vinyl	
409	Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl	
410	Chloride) (CPVC) Compounds, approved May 1, 2011.	
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412	ASTM D 1785-15, Standard Specification for Poly(Vinyl	
413	Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120, approved	
414	August 1, 2015.	
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416	ASTM D 2241-09, Standard Specification for Poly(Vinyl	
417	Chloride) (PVC) Pressure-Rated Pipe (SDR Series), approved	
418	December 1, 2009.	
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420	ASTM D 2464-15, Standard Specification for Threaded	
421	Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80,	
422	approved March 1, 2015.	
423	ACTIM D 2466 15 Chandard Consideration for Delactional	
424	ASTM D 2466-15, Standard Specification for Poly(Vinyl	
425	Chloride) (PVC) Plastic Pipe Fittings, Schedule 40, approved	
426	March 1, 2015.	
427	ACTM D 2467 15 Standard Specification for Dely(Viny)	
428	ASTM D 2467-15, Standard Specification for Poly(Vinyl	
429	Chloride) (PVC) Plastic Pipe Fittings, Schedule 80, approved	
430	March 1, 2015.	
431	ASTM D 2564 12 Standard Specification for Solvent Coments for	
432	ASTM D 2564-12, Standard Specification for Solvent Cements for	
433	Poly(Vinyl Chloride) (PVC) Plastic Piping Systems, approved	
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436	ASTM D 3139-11, Standard Specification for Joints for Plastic
437	Pressure Pipes Using Flexible Elastomeric Seals, February 1, 2011
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439	ASTM F 437-15, Standard Specification for Threaded Chlorinated
440	Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80,
441	approved March 1, 2015.
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443	ASTM F 438-15, Standard Specification for Socket-Type
444	Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings,
445	Schedule 40, approved March 1, 2015.
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447	ASTM F 439-13, Standard Specification for Chlorinated Poly
448	(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80,
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452	Poly(Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80,
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459	ASTM F 477-14, Standard Specification for Elastomeric Seals
460	(Gaskets) for Joining Plastic Pipe, approved September 15, 2014.
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462	ASTM F 493-14, Standard Specification for Solvent Cements for
463	Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe and
464	Fittings, approved November 1, 2014.
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466	ASTM F 1216-16, Standard Practice for Rehabilitation of Existing
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480	approved January 25, 2009, effective September 1, 2009.
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483	approved June 10, 2012, effective September 1, 2012.
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485	AWWA C301-07, Prestressed Concrete Pressure Pipe, Steel-
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492	approved June 12, 2011, effective October 1, 2011.
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494	AWWA C653-03, Disinfection of Water Treatment Plants,
495	approved January 19, 2003, effective June 1, 2003.
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497	AWWA C654-03, Disinfection of Wells, approved January 19,
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502	mm), for Water Transmission and Distribution, 2007.
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505	Fabricated Fittings, 14 In. Through 48 In. (350 mm Through 1,200
506	mm), approved January 17, 2010, effective April 1, 2010.
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510	and Transmission, 2007.
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514	mm), for Water, Wastewater, and Reclaimed Water Service,
515	effective March 1, 2012.
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529	AWWA D107-10, Composite Elevated Tanks for Water Storage,
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539	Pamphlet 6: Piping Systems for Dry Chlorine, Edition 16, March
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580	c) No later amendments to	or editions of the materials listed in subsection (b) are
581	incorporated.	
582	-	
583	(Source: Amended at 46 Ill. Re	g, effective)
584		
585 586	Section 601.APPENDIX A Reference	es to Former Rules (Repealed)
587	The following table is provided to aid in	n referencing former Board rule numbers to section
588	numbers pursuant to codification.	200201000000000000000000000000000000000
589	nome of a parameter of a continuous	
	Chapter 6: Public Water Supplies	35 Ill. Adm. Code
	Part I: Introduction	Part 601
İ	Rule 101	Section 601.101
	Rule 102	Deleted
	Rule 103	Deleted
	Rule 104	Section 601.105
	Rule 105	Section 601.104
	Rule 106	Section 601.102
	Rule 107	Section 601.103
590		
591	(Source: Repealed at 46 Ill. Reg	g, effective)