

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

- 1) Heading of the Part: Design, Operation and Maintenance Criteria
- 2) Code Citation: 35 Ill. Adm. Code 604
- 3)

<u>Section Number:</u>	<u>Proposed Action:</u>
604.1520	New Section
- 4) Statutory Authority: Implementing Section 14-19 and authorized by Section 27 of the Illinois Environmental Protection Act [415 ILCS 5].
- 5) A Complete Description of the Subjects and Issues Involved: On April 16, 2020, the Board adopted the emergency rule, with an effective date of April 17, 2020. R 20-20, April 16, 2020; 44 Ill. Reg. 7777 (May 1, 2020). The emergency rule proposal attempted to extend the renewal period for cross connection control device inspectors (CCCDI) from May 1, 2020 until June 30, 2020, to August 31, 2020 until October 30, 2020. Because the 150-day duration of an emergency rule will expire before the extended deadline of October 30, 2020, the Board is proposing for first notice a general rule extending the CCCDI renewal period.
- 6) Published studies or reports, and sources of underlying data, used to compose this rulemaking: None
- 7) Will this rulemaking replace an emergency rule currently in effect? Yes
- 8) Does this rulemaking contain an automatic repeal date? No
- 9) Does this rulemaking contain incorporations by reference? No
- 10) Are there any rulemakings to this Part pending? No
- 11) Statement of Statewide Policy Objective: This proposed amendment does not create or enlarge a State mandate as defined in Section 3(b) of the State Mandates Act [30 ILCS 805/3].
- 12) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: The Board will accept written public comments on this proposal for a period of at least 45 days after the date of publication in the *Illinois Register*. Public comments must be filed with the Clerk of the Board. Public comments should reference Docket R20-20 and be addressed to:

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

Clerk's Office
Illinois Pollution Control Board
JRTC
100 W. Randolph St., Suite 11-500
Chicago IL 60601

Public comments may also be filed electronically through the Clerk's Office On-Line (COOL) on the Board's website at www.ipcb.state.il.us.

Interested persons may request copies of the Board's opinion and order in R20-20 by calling the Clerk's office at 312/814-3620, or may download copies from the Board's Web site at www.ipcb.state.il.us.

Copies of the Board's opinion and order in R20-20 are available by downloading copies from the Board's Web site at pcb.illinois.gov or by calling the Clerk's office at 312/814-3620.

- 13) Initial Regulatory Flexibility Analysis:
- A) Types of small businesses, small municipalities and not-for-profit corporations affected: None
 - B) Reporting, bookkeeping or other procedures required for compliance: None
 - C) Types of professional skills necessary for compliance: None
- 14) Small Business Impact Analysis: Under Section 56.2 of the Act, "Section 5 of the Illinois Administrative Procedure Act relating to the procedures for rulemaking shall not apply to rules adopted under subsection (e)."
- 15) Regulatory Agenda on which this rulemaking was summarized: This rule did not appear in a regulatory agenda because the need for it was unanticipated.

The full text of the Proposed Amendment begins on the next page:

1 TITLE 35: ENVIRONMENTAL PROTECTION
2 SUBTITLE F: PUBLIC WATER SUPPLIES
3 CHAPTER I: POLLUTION CONTROL BOARD
4

5 PART 604
6 DESIGN, OPERATION AND MAINTENANCE CRITERIA
7

8 SUBPART A: GENERAL PROVISIONS
9

10	Section	
11	604.100	Purpose
12	604.105	General Requirements
13	604.110	Location
14	604.115	Usage
15	604.120	Piping Identification
16	604.125	Automatic Equipment
17	604.130	Operational Testing Equipment
18	604.135	Repair Work and Emergency Operation
19	604.140	Nitrification Action Plan
20	604.145	Exceptions for Community Water Supplies
21	604.150	Protection of Community Water Supply Structures
22	604.155	Electrical Controls and Standby Power
23	604.160	Safety
24	604.165	Monthly Operating Report
25	604.170	Security

26
27 SUBPART B: SOURCE DEVELOPMENT
28

29	Section	
30	604.200	General Requirements
31	604.205	Surface Water Quantity
32	604.210	Surface Water Quality
33	604.215	Surface Water Structures
34	604.220	Invasive Mussel Control
35	604.225	Reservoirs
36	604.230	Groundwater Quantity
37	604.235	Groundwater Quality
38	604.240	General Well Construction
39	604.245	Well Testing and Records
40	604.250	Aquifer Types and Construction Methods
41	604.255	Well Pumps, Discharge Piping and Appurtenances

42
43 SUBPART C: SOURCE WATER PROTECTION PLAN

44
45 Section
46 604.300 Purpose
47 604.305 Source Water Protection Plan Requirement and Contents
48 604.310 Vision Statement
49 604.315 Source Water Assessment
50 604.320 Source Water Protection Plan Objectives
51 604.325 Action Plan
52 604.330 Submission
53 604.335 Agency Approval
54 604.340 Evaluation and Revision

55
56 SUBPART D: AERATION

57
58 Section
59 604.400 General Requirements for Aeration
60 604.405 Forced or Induced Draft Aeration
61 604.410 Spray Aeration
62 604.415 Pressure Aeration
63 604.420 Packed Tower Aeration
64 604.425 Other Methods of Aeration

65
66 SUBPART E: CLARIFICATION

67
68 Section
69 604.500 General Clarification Requirements
70 604.505 Coagulation
71 604.510 Flocculation
72 604.515 Sedimentation
73 604.520 Solids Contact Unit
74 604.525 Tube or Plate Settlers
75 604.530 Other High Rate Clarification Processes

76
77 SUBPART F: FILTRATION

78
79 Section
80 604.600 Filtration
81 604.605 Rapid Rate Gravity Filters
82 604.610 Rapid Rate Pressure Filters
83 604.615 Deep Bed Rapid Rate Gravity Filters
84 604.620 Biologically Active Filtration

85
86 SUBPART G: DISINFECTION

87
88 Section
89 604.700 Disinfection Requirement
90 604.705 Chlorination Equipment
91 604.710 Points of Application
92 604.715 Contact Time
93 604.720 Inactivation of Pathogens
94 604.725 Residual Chlorine
95 604.730 Continuous Chlorine Analyzers
96 604.735 Chlorinator Piping

97
98 SUBPART H: SOFTENING
99

100 Section
101 604.800 Lime or Lime-soda Process
102 604.805 Cation Exchange Process

103
104 SUBPART I: STABILIZATION
105

106 Section
107 604.900 General Stabilization Requirements
108 604.905 Carbon Dioxide Addition
109 604.910 Phosphates
110 604.915 Split Treatment

111
112 SUBPART J: OTHER TREATMENT
113

114 Section
115 604.1000 Presedimentation
116 604.1005 Anion Exchange
117 604.1010 Iron and Manganese Control
118 604.1015 Taste and Odor Control
119 604.1020 Powdered Activated Carbon

120
121 SUBPART K: CHEMICAL APPLICATION
122

123 604.1100 General Chemical Application Requirements
124 604.1105 Feed Equipment and Chemical Storage
125 604.1110 Protective Equipment
126 604.1115 Chlorine Gas
127 604.1120 Acids and Caustics
128 604.1125 Chlorine Dioxide
129 604.1130 Sodium Chlorite

- 130 604.1135 Sodium Hypochlorite
- 131 604.1140 Ammonia
- 132 604.1145 Potassium Permanganate
- 133 604.1150 Fluoride

134

135

SUBPART L: PUMPING FACILITIES

136

- 137 604.1200 General
- 138 604.1205 Pumping Stations
- 139 604.1210 Pumps
- 140 604.1215 Booster Pumps
- 141 604.1220 Automatic and Remote-Controlled Stations
- 142 604.1225 Appurtenances

143

144

SUBPART M: STORAGE

145

- 146 604.1300 General Storage Requirements
- 147 604.1305 Overflow
- 148 604.1310 Access to Water Storage Structures
- 149 604.1315 Vents
- 150 604.1320 Level Controls
- 151 604.1325 Roof and Sidewalls
- 152 604.1330 Painting and Cathodic Protection
- 153 604.1335 Treatment Plant Storage
- 154 604.1340 Elevated Storage
- 155 604.1345 Hydropneumatic Storage
- 156 604.1350 Combination Pressure Tanks and Ground Storage

157

158

SUBPART N: DISTRIBUTION

159

- 160 604.1400 General Distribution System Requirements
- 161 604.1405 Installation of Water Mains
- 162 604.1410 Materials
- 163 604.1415 System Design
- 164 604.1420 Valves
- 165 604.1425 Hydrants
- 166 604.1430 Air Relief Valves
- 167 604.1435 Valve, Meter and Blow Off Chambers
- 168 604.1440 Sanitary Separation for Finished Water Mains
- 169 604.1445 Sanitary Separation for Raw Water Mains
- 170 604.1450 Surface Water Crossings
- 171 604.1455 Water Service Line
- 172 604.1460 Water Loading Stations

173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202

SUBPART O: CROSS CONNECTIONS

- Section
- 604.1500 Cross Connections
- 604.1505 Cross Connection Control Program
- 604.1510 Cross Connection Control Device Inspectors
- 604.1515 Agency Approved Cross Connection Control Measures
- 604.1520 COVID-19 Emergency Provisions

604.TABLE A Steel Pipe

AUTHORITY: Implementing Section 14-19 and authorized by Section 27 of the Illinois Environmental Protection Act [415 ILCS 5].

SOURCE: Adopted in R18-17 at 43 Ill. Reg. 8064, effective July 26, 2019; emergency amendment in R20-20 at 44 Ill. Reg. 7777, effective April 17, 2020, for a maximum of 150 days; amended in R20-21 at 44 Ill. Reg. _____, effective _____.

SUBPART O: CROSS CONNECTIONS

Section 604.1520 COVID-19 Emergency Provisions

Due to the public health emergency related to the COVID-19 outbreak, the CCCDI approval renewal application deadlines for 2020 pursuant to Section 604.1510(b)(2) are extended. For renewal year 2020, CCCDIs must renew their CCCDI Approval between August 31 and October 30. An application for CCCDI renewal will be sent by the Agency or its designee and must be completed and returned by October 30, 2020.

(Source: Added at 44 Ill. Reg. _____, effective _____)

AGENCY P vs ROI

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE F: PUBLIC WATER SUPPLIES
CHAPTER I: POLLUTION CONTROL BOARD

PART 604
DESIGN, OPERATION AND MAINTENANCE CRITERIA

SUBPART A: GENERAL PROVISIONS

Section

604.100 Purpose
604.105 General Requirements
604.110 Location
604.115 Usage
604.120 Piping Identification
604.125 Automatic Equipment
604.130 Operational Testing Equipment
604.135 Repair Work and Emergency Operation
604.140 Nitrification Action Plan
604.145 Exceptions for Community Water Supplies
604.150 Protection of Community Water Supply Structures
604.155 Electrical Controls and Standby Power
604.160 Safety
604.165 Monthly Operating Report
604.170 Security

SUBPART B: SOURCE DEVELOPMENT

Section

604.200 General Requirements
604.205 Surface Water Quantity
604.210 Surface Water Quality
604.215 Surface Water Structures
604.220 Invasive Mussel Control
604.225 Reservoirs
604.230 Groundwater Quantity
604.235 Groundwater Quality
604.240 General Well Construction
604.245 Well Testing and Records
604.250 Aquifer Types and Construction Methods
604.255 Well Pumps, Discharge Piping and Appurtenances

SUBPART C: SOURCE WATER PROTECTION PLAN

Section

604.300 Purpose
604.305 Source Water Protection Plan Requirement and Contents
604.310 Vision Statement
604.315 Source Water Assessment
604.320 Source Water Protection Plan Objectives
604.325 Action Plan

604.330 Submission
604.335 Agency Approval
604.340 Evaluation and Revision

SUBPART D: AERATION

Section
604.400 General Requirements for Aeration
604.405 Forced or Induced Draft Aeration
604.410 Spray Aeration
604.415 Pressure Aeration
604.420 Packed Tower Aeration
604.425 Other Methods of Aeration

SUBPART E: CLARIFICATION

Section
604.500 General Clarification Requirements
604.505 Coagulation
604.510 Flocculation
604.515 Sedimentation
604.520 Solids Contact Unit
604.525 Tube or Plate Settlers
604.530 Other High Rate Clarification Processes

SUBPART F: FILTRATION

Section
604.600 Filtration
604.605 Rapid Rate Gravity Filters
604.610 Rapid Rate Pressure Filters
604.615 Deep Bed Rapid Rate Gravity Filters
604.620 Biologically Active Filtration

SUBPART G: DISINFECTION

Section
604.700 Disinfection Requirement
604.705 Chlorination Equipment
604.710 Points of Application
604.715 Contact Time
604.720 Inactivation of Pathogens
604.725 Residual Chlorine
604.730 Continuous Chlorine Analyzers
604.735 Chlorinator Piping

SUBPART H: SOFTENING

Section
604.800 Lime or Lime-soda Process
604.805 Cation Exchange Process

SUBPART I: STABILIZATION

Section

- 604.900 General Stabilization Requirements
- 604.905 Carbon Dioxide Addition
- 604.910 Phosphates
- 604.915 Split Treatment

SUBPART J: OTHER TREATMENT

Section

- 604.1000 Presedimentation
- 604.1005 Anion Exchange
- 604.1010 Iron and Manganese Control
- 604.1015 Taste and Odor Control
- 604.1020 Powdered Activated Carbon

SUBPART K: CHEMICAL APPLICATION

- 604.1100 General Chemical Application Requirements
- 604.1105 Feed Equipment and Chemical Storage
- 604.1110 Protective Equipment
- 604.1115 Chlorine Gas
- 604.1120 Acids and Caustics
- 604.1125 Chlorine Dioxide
- 604.1130 Sodium Chlorite
- 604.1135 Sodium Hypochlorite
- 604.1140 Ammonia
- 604.1145 Potassium Permanganate
- 604.1150 Fluoride

SUBPART L: PUMPING FACILITIES

- 604.1200 General
- 604.1205 Pumping Stations
- 604.1210 Pumps
- 604.1215 Booster Pumps
- 604.1220 Automatic and Remote-Controlled Stations
- 604.1225 Appurtenances

SUBPART M: STORAGE

- 604.1300 General Storage Requirements
- 604.1305 Overflow
- 604.1310 Access to Water Storage Structures
- 604.1315 Vents
- 604.1320 Level Controls
- 604.1325 Roof and Sidewalls
- 604.1330 Painting and Cathodic Protection
- 604.1335 Treatment Plant Storage
- 604.1340 Elevated Storage
- 604.1345 Hydropneumatic Storage

604.1350 Combination Pressure Tanks and Ground Storage

SUBPART N: DISTRIBUTION

604.1400 General Distribution System Requirements
604.1405 Installation of Water Mains
604.1410 Materials
604.1415 System Design
604.1420 Valves
604.1425 Hydrants
604.1430 Air Relief Valves
604.1435 Valve, Meter and Blow Off Chambers
604.1440 Sanitary Separation for Finished Water Mains
604.1445 Sanitary Separation for Raw Water Mains
604.1450 Surface Water Crossings
604.1455 Water Service Line
604.1460 Water Loading Stations

SUBPART O: CROSS CONNECTIONS

Section

604.1500 Cross Connections
604.1505 Cross Connection Control Program
604.1510 Cross Connection Control Device Inspectors
604.1515 Agency Approved Cross Connection Control Measures
604.1520 COVID-19 Emergency Provisions

604.TABLE A Steel Pipe

AUTHORITY: Implementing Section 14-19 and authorized by Section 27 of the Illinois Environmental Protection Act [415 ILCS 5].

SOURCE: Adopted in R18-17 at 43 Ill. Reg. 8064, effective July 26, 2019; emergency amendment in R20-20 at 44 Ill. Reg. 7777, effective April 17, 2020, for a maximum of 150 days; amended in R20-21 at 44 Ill. Reg. _____, effective _____.

SUBPART O: CROSS CONNECTIONS

Section 604.1520 COVID-19 Emergency Provisions

Due to the public health emergency related to the COVID-19 outbreak, the CCCDI approval renewal application deadlines for 2020 pursuant to Section 604.1510(b)(2) are extended. For renewal year 2020, CCCDIs must renew their CCCDI Approval between August 31 and October 30. An application for CCCDI renewal will be sent by the Agency or its designee and must be completed and returned by October 30, 2020.

(Source: Added at 44 Ill. Reg. _____, effective _____.)

~~ILLINOIS REGISTER~~

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENT~~

~~ILLINOIS REGISTER~~

~~POLLUTION CONTROL BOARD~~

~~NOTICE OF PROPOSED AMENDMENTS~~

JCAR350604-2009352r01

Document comparison by Workshare Compare on Monday, June 1, 2020
 10:58:24 AM

Input:	
Document 1 ID	file:///I:\Input\Agency Rulemakings - Files Received\2020\June 2020\35-604-Agency Proposed-(issue 23).docx
Description	35-604-Agency Proposed- (issue 23)
Document 2 ID	file:///I:\Input\Agency Rulemakings - Files Received\2020\June 2020\35-604-JCAR r01- (issue 23).docx
Description	35-604-JCAR r01- (issue 23)
Rendering set	Standard

Legend:	
<u>Insertion</u>	
Deletion	
Moved from	
<u>Moved to</u>	
Style change	
Format change	
Moved deletion	
Inserted cell	
Deleted cell	
Moved cell	
Split/Merged cell	
Padding cell	

Statistics:	
	Count
Insertions	2
Deletions	8
Moved from	0
Moved to	0
Style change	0
Format changed	0
Total changes	10