

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

- 1) Heading of the Part: Sewer Discharge Criteria
- 2) Code Citation: 35 Ill. Adm. Code 307
- 3) 

<u>Section Numbers:</u>	<u>Proposed Actions:</u>
307.4503	New Section
307.4508	New Section
- 4) Statutory Authority: 415 ILCS 5/7.2, 13, 13.3, and 27
- 5) A Complete Description of the Subjects and Issues Involved: The following briefly describes the subjects and issues involved in the docket R17-8 rulemaking. A comprehensive description is contained in the Board's opinion and order of November 17, 2016, proposing amendments in docket R17-8, which opinion and order is available from the address below.

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DEC 01 2016  
STATE OF ILLINOIS  
Pollution Control Board

This proceeding updates the Illinois wastewater pretreatment rules to correspond with amendments adopted by the United States Environmental Protection Agency (USEPA) that appeared in the Federal Register during the period January 1, 2016 through June 30, 2017.

The following briefly summarizes the federal action in the update period:

June 28, 2016 (81 Fed. Reg. 41845)

USEPA adopted pretreatment standards for facilities in the unconventional oil and gas extraction (UOG) source category. The Board must incorporate the UOG source category pretreatment standards into the Illinois pretreatment regulations.

In addition to the federal actions that fall within the timeframe of this docket, the Board included one additional federal action that occurred later. This additional action directly impacted one of the actions that USEPA took within the timeframe that is involved.

September 30, 2016 (81 Fed. Reg. 67191)

USEPA extended the implementation date of the UOG pretreatment standards by a direct final rule. The Board adds this later-extended date to this docket for consideration together with the UOG pretreatment standards.

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Tables appear in a document entitled "Identical-in-Substance Rulemaking Addendum (Proposed)" that the Board added to docket R17-8 which list the deviations from the literal text of the federal amendments. Persons interested in the details of those deviations from the literal text should refer to the Identical-in-Substance Rulemaking Addendum (Proposed) in docket R17-8.

Section 13.3 of the Environmental Protection Act [415 ILCS 5/13.3] provides that Section 5-35 of the Administrative Procedure Act [5 ILCS 100/5-35] does not apply to this rulemaking. Because this rulemaking is not subject to Section 5-35 of the APA, it is not subject to First Notice or to Second Notice review by the Joint Committee on Administrative Rules (JCAR).

- 6) Published studies or reports, and sources of underlying data, used to compose this rulemaking: None
- 7) Does this rulemaking replace any emergency rule currently in effect? No
- 8) Does this rulemaking contain an automatic repeal date? No
- 9) Does this rulemaking contain incorporations by reference? Yes
- 10) Are there any other rulemakings pending on this Part? Yes

<u>Section Number:</u>	<u>Proposed Action:</u>	<u>Illinois Register Citation:</u>
307.3301	Amendment	40 Ill. Reg. 14580; October 28, 2016

- 11) Statement of Statewide Policy Objective: These proposed amendments do not create or enlarge a state mandate, as defined in Section 3(b) of the State Mandates Act [30 ILCS 805/3(b)].
- 12) Time, Place and Manner in which interested persons may comment on this proposed rulemaking: The Board will accept written public comment on this proposal for a period of 45 days after the date of this publication. Comments should reference docket R17-8 and be addressed to:

John T. Therriault, Clerk  
Illinois Pollution Control Board  
State of Illinois Center, Suite 11-500  
100 W. Randolph St.

## POLLUTION CONTROL BOARD

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Chicago IL 60601

Please direct inquiries to the following person and reference docket R17-8:

Michael J. McCambridge  
Staff Attorney  
Illinois Pollution Control Board  
100 W. Randolph 11-500  
Chicago IL 60601

312/814-6924  
email: michael.mccambridge@illinois.gov

Request copies of the Board's opinion and order at 312/814-3620, or download a copy from the Board's Website at <http://www.ipcb.state.il.us>.

13) Initial regulatory flexibility analysis:

- A) Types of small businesses, small municipalities, and not-for-profit corporations affected: This rulemaking may affect those small businesses, small municipalities, and not-for-profit corporations disposing of industrial wastewaters into the sewage collection system of a publicly owned treatment works. These proposed amendments do not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act [30 ILCS 805/3(b)].
- B) Reporting, bookkeeping or other procedures required for compliance: The existing rules and proposed amendments require extensive reporting, bookkeeping and other procedures, including the preparation of manifests and annual reports, waste analyses and maintenance of operating records. These proposed amendments do not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act [30 ILCS 805/3(b)].
- C) Types of professional skills necessary for compliance: Compliance with the existing rules and proposed amendments may require the services of an attorney, certified public accountant, chemist and registered professional engineer. These proposed amendments do not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act [30 ILCS 805/3(b)].

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- 14) Regulatory Agenda on which this rulemaking was summarized: 40 Ill. Reg. 8832; July 1, 2016

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

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

5 PART 307  
6 SEWER DISCHARGE CRITERIA  
7

8 SUBPART A: GENERAL PROVISIONS  
9

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10	Section	
11	307.101	Preamble (Renumbered)
12	307.102	General Requirements (Renumbered)
13	307.103	Mercury (Renumbered)
14	307.104	Cyanide (STORET number 00720) (Renumbered)
15	307.105	Pretreatment Requirements (Repealed)
16	307.1001	Preamble
17	307.1002	Definitions
18	307.1003	Test Procedures for Measurement
19	307.1005	Toxic Pollutants
20	307.1006	Electronic Reporting

21  
22 SUBPART B: GENERAL AND SPECIFIC PRETREATMENT REQUIREMENTS  
23

24	Section	
25	307.1101	General and Specific Requirements
26	307.1102	Mercury
27	307.1103	Cyanide

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29 SUBPART F: DAIRY PRODUCTS PROCESSING  
30

31	Section	
32	307.1501	Receiving Stations
33	307.1502	Fluid Products
34	307.1503	Cultured Products
35	307.1504	Butter
36	307.1505	Cottage Cheese and Cultured Cream Cheese
37	307.1506	Natural and Processed Cheese
38	307.1507	Fluid Mix for Ice Cream and other Frozen Desserts
39	307.1508	Ice Cream, Frozen Desserts, Novelties, and Other Dairy Desserts
40	307.1509	Condensed Milk
41	307.1510	Dry Milk
42	307.1511	Condensed Whey
43	307.1512	Dry Whey

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SUBPART G: GRAIN MILLS

- Section
- 307.1601 Corn Wet Milling
- 307.1602 Corn Dry Milling
- 307.1603 Normal Wheat Flour Milling
- 307.1604 Bulgur Wheat Flour Milling
- 307.1605 Normal Rice Milling
- 307.1606 Parboiled Rice Milling
- 307.1607 Animal Feed
- 307.1608 Hot Cereal
- 307.1609 Ready-to-Eat Cereal
- 307.1610 Wheat Starch and Gluten

SUBPART H: CANNED AND PRESERVED FRUITS AND VEGETABLES

- Section
- 307.1700 General Provisions
- 307.1701 Apple Juice
- 307.1702 Apple Products
- 307.1703 Citrus Products
- 307.1704 Frozen Potato Products
- 307.1705 Dehydrated Potato Products
- 307.1706 Canned and Preserved Fruits
- 307.1707 Canned and Preserved Vegetables
- 307.1708 Canned and Miscellaneous Specialties

SUBPART I: CANNED AND PRESERVED SEAFOOD

- Section
- 307.1801 Farm-Raised Catfish
- 307.1815 Fish Meal Processing Subcategory

SUBPART J: SUGAR PROCESSING

- Section
- 307.1901 Beet Sugar Processing
- 307.1902 Crystalline Cane Sugar Refining
- 307.1903 Liquid Cane Sugar Refining

SUBPART K: TEXTILE MILLS

87	Section	
88	307.2000	General Provisions
89	307.2001	Wool Scouring
90	307.2002	Wool Finishing
91	307.2003	Low Water Use Processing
92	307.2004	Woven Fabric Finishing
93	307.2005	Knit Fabric Finishing
94	307.2006	Carpet Finishing
95	307.2007	Stock and Yarn Finishing
96	307.2008	Nonwoven Manufacturing
97	307.2009	Felted Fabric Processing

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SUBPART L: CEMENT MANUFACTURING

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101 Section

102	307.2101	Nonleaching
103	307.2102	Leaching
104	307.2103	Materials Storage Piles Runoff

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SUBPART M: CONCENTRATED ANIMAL FEEDING OPERATIONS

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108 Section

109	307.2201	General
110	307.2202	Ducks

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SUBPART N: ELECTROPLATING

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114 Section

115	307.2300	General Provisions
116	307.2301	Electroplating of Common Metals
117	307.2302	Electroplating of Precious Metals
118	307.2304	Anodizing
119	307.2305	Coatings
120	307.2306	Chemical Etching and Milling
121	307.2307	Electroless Plating
122	307.2308	Printed Circuit Boards

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SUBPART O: ORGANIC CHEMICALS, PLASTICS, AND SYNTHETIC FIBERS

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126 Section

127	307.2400	General Provisions
128	307.2401	Rayon Fibers
129	307.2402	Other Fibers

- 130 307.2403 Thermoplastic Resins
- 131 307.2404 Thermosetting Resins
- 132 307.2405 Commodity Organic Chemicals
- 133 307.2406 Bulk Organic Chemicals
- 134 307.2407 Specialty Organic Chemicals
- 135 307.2410 Indirect Discharge Point Sources
- 136 307.2490 Non-Complexed Metal-Bearing and Cyanide-Bearing Waste Streams
- 137 307.2491 Complexed Metal-Bearing Waste Streams

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139 SUBPART P: INORGANIC CHEMICALS MANUFACTURING

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141 Section

- 142 307.2500 General Provisions
- 143 307.2501 Aluminum Chloride Production
- 144 307.2502 Aluminum Sulfate Production
- 145 307.2503 Calcium Carbide Production
- 146 307.2504 Calcium Chloride Production
- 147 307.2505 Calcium Oxide Production
- 148 307.2506 Chlor-Alkali Process (Chlorine and Sodium or Potassium Hydroxide Production)
- 149 307.2508 Hydrofluoric Acid Production
- 150 307.2509 Hydrogen Peroxide Production
- 151 307.2511 Potassium Metal Production
- 152 307.2512 Potassium Dichromate Production
- 153 307.2513 Potassium Sulfate Production
- 154 307.2514 Sodium Bicarbonate Production
- 155 307.2516 Sodium Chloride Production
- 156 307.2517 Sodium Dichromate and Sodium Sulfate Production
- 157 307.2520 Sodium Sulfite Production
- 158 307.2522 Titanium Dioxide Production
- 159 307.2523 Aluminum Fluoride Production
- 160 307.2524 Ammonium Chloride Production
- 161 307.2527 Borax Production
- 162 307.2528 Boric Acid Production
- 163 307.2529 Bromine Production
- 164 307.2530 Calcium Carbonate Production
- 165 307.2531 Calcium Hydroxide Production
- 166 307.2533 Carbon Monoxide and Byproduct Hydrogen Production
- 167 307.2534 Chrome Pigments Production
- 168 307.2535 Chromic Acid Production
- 169 307.2536 Copper Salts Production
- 170 307.2538 Ferric Chloride Production
- 171 307.2540 Fluorine Production
- 172 307.2541 Hydrogen Production



173	307.2542	Hydrogen Cyanide Production
174	307.2543	Iodine Production
175	307.2544	Lead Monoxide Production
176	307.2545	Lithium Carbonate Production
177	307.2547	Nickel Salts Production
178	307.2549	Oxygen and Nitrogen Production
179	307.2550	Potassium Chloride Production
180	307.2551	Potassium Iodide Production
181	307.2553	Silver Nitrate Production
182	307.2554	Sodium Bisulfite Production
183	307.2555	Sodium Fluoride Production
184	307.2560	Stannic Oxide Production
185	307.2563	Zinc Sulfate Production
186	307.2564	Cadmium Pigments and Salts Production
187	307.2565	Cobalt Salts Production
188	307.2566	Sodium Chlorate Production
189	307.2567	Zinc Chloride Production

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SUBPART R: SOAP AND DETERGENTS

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193 Section

194	307.2701	Soap Manufacturing by Batch Kettle
195	307.2702	Fatty Acid Manufacturing by Fat Splitting
196	307.2703	Soap Manufacturing by Fatty Acid Neutralization
197	307.2704	Glycerine Concentration
198	307.2705	Glycerine Distillation
199	307.2706	Manufacture of Soap Flakes and Powders
200	307.2707	Manufacture of Bar Soaps
201	307.2708	Manufacture of Liquid Soaps
202	307.2709	Oleum Sulfonation and Sulfation
203	307.2710	Air-Sulfur Trioxide Sulfation and Sulfonation
204	307.2711	Sulfur Trioxide Solvent and Vacuum Sulfonation
205	307.2712	Sulfamic Acid Sulfation
206	307.2713	Chlorosulfonic Acid Sulfation
207	307.2714	Neutralization of Sulfuric Acid Esters and Sulfonic Acids
208	307.2715	Manufacture of Spray Dried Detergents
209	307.2716	Manufacture of Liquid Detergents
210	307.2717	Manufacturing of Detergents by Dry Blending
211	307.2718	Manufacture of Drum Dried Detergents
212	307.2719	Manufacture of Detergent Bars and Cakes

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SUBPART S: FERTILIZER MANUFACTURING

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216	Section	
217	307.2801	Phosphate
218	307.2802	Ammonia
219	307.2803	Urea
220	307.2804	Ammonium Nitrate
221	307.2805	Nitric Acid
222	307.2806	Ammonium Sulfate Production
223	307.2807	Mixed and Blend Fertilizer Production

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225 SUBPART T: PETROLEUM REFINING

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227 Section

228	307.2901	Topping
229	307.2902	Cracking
230	307.2903	Petrochemical
231	307.2904	Lube
232	307.2905	Integrated

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234 SUBPART U: IRON AND STEEL MANUFACTURING

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236 Section

237	307.3000	General Provisions
238	307.3001	Cokemaking
239	307.3002	Sintering
240	307.3003	Ironmaking
241	307.3004	Steelmaking
242	307.3005	Vacuum Degassing
243	307.3006	Continuous Casting
244	307.3007	Hot Forming
245	307.3008	Salt Bath Descaling
246	307.3009	Acid Pickling
247	307.3010	Cold Forming
248	307.3011	Alkaline Cleaning
249	307.3012	Hot Coating
250	307.3013	Other Operations

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252 SUBPART V: NONFERROUS METALS MANUFACTURING

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255	307.3100	General Provisions
256	307.3101	Bauxite Refining
257	307.3102	Primary Aluminum Smelting
258	307.3103	Secondary Aluminum Smelting

- 259 307.3104 Primary Copper Smelting
- 260 307.3105 Primary Electrolytic Copper Refining
- 261 307.3106 Secondary Copper
- 262 307.3107 Primary Lead
- 263 307.3108 Primary Zinc
- 264 307.3109 Metallurgical Acid Plants
- 265 307.3110 Primary Tungsten
- 266 307.3111 Primary Columbium-Tantalum
- 267 307.3112 Secondary Silver
- 268 307.3113 Secondary Lead
- 269 307.3114 Primary Antimony
- 270 307.3115 Primary Beryllium
- 271 307.3116 Primary and Secondary Germanium and Gallium
- 272 307.3117 Secondary Indium
- 273 307.3118 Secondary Mercury
- 274 307.3119 Primary Molybdenum and Rhenium
- 275 307.3120 Secondary Molybdenum and Vanadium
- 276 307.3121 Primary Nickel and Cobalt
- 277 307.3122 Secondary Nickel
- 278 307.3123 Primary Precious Metals and Mercury
- 279 307.3124 Secondary Precious Metals
- 280 307.3125 Primary Rare Earth Metals
- 281 307.3126 Secondary Tantalum
- 282 307.3127 Secondary Tin
- 283 307.3128 Primary and Secondary Titanium
- 284 307.3129 Secondary Tungsten and Cobalt
- 285 307.3130 Secondary Uranium
- 286 307.3131 Primary Zirconium and Hafnium

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288                   SUBPART X: STEAM ELECTRIC POWER GENERATING

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290 Section

291 307.3301 Steam Electric Power Generating

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293                   SUBPART Y: FERROALLOY MANUFACTURING

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295 Section

296 307.3401 Open Electric Furnaces With Wet Air Pollution Control Devices

297 307.3402 Covered Electric Furnaces and Other Smelting Operations with Wet Air Pollution  
298 Control Devices

299 307.3403 Slag Processing

300 307.3404 Covered Calcium Carbide Furnaces With Wet Air Pollution Control Devices

301 307.3405 Other Calcium Carbide Furnaces

302 307.3406 Electrolytic Manganese Products  
 303 307.3407 Electrolytic Chromium

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305 SUBPART Z: LEATHER TANNING AND FINISHING

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307 Section

308 307.3500 General Provisions  
 309 307.3501 Hair Pulp, Chrome Tan, Retan-Wet Finish  
 310 307.3502 Hair Save, Chrome Tan, Retan-Wet Finish  
 311 307.3503 Hair Save or Pulp, Non-Chrome Tan, Retan-Wet Finish  
 312 307.3504 Retan-Wet Finish-Sides  
 313 307.3505 No Beamhouse  
 314 307.3506 Through-the-Blue  
 315 307.3507 Shearling  
 316 307.3508 Pigskin  
 317 307.3509 Retan-Wet Finish-Splits  
 318 307.3590 Potassium Ferricyanide Titration Method

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320 SUBPART BA: GLASS MANUFACTURING

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322 Section

323 307.3601 Insulation Fiberglass  
 324 307.3602 Sheet Glass Manufacturing  
 325 307.3603 Rolled Glass Manufacturing  
 326 307.3604 Plate Glass Manufacturing  
 327 307.3605 Float Glass Manufacturing  
 328 307.3606 Automotive Glass Tempering  
 329 307.3607 Automotive Glass Laminating  
 330 307.3608 Glass Container Manufacturing  
 331 307.3610 Glass Tubing (Danner) Manufacturing  
 332 307.3611 Television Picture Tube Envelope Manufacturing  
 333 307.3612 Incandescent Lamp Envelope Manufacturing  
 334 307.3613 Hand Pressed and Blown Glass Manufacturing

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336 SUBPART BB: ASBESTOS MANUFACTURING

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338 Section

339 307.3701 Asbestos-Cement Pipe  
 340 307.3702 Asbestos-Cement Sheet  
 341 307.3703 Asbestos Paper (Starch Binder)  
 342 307.3704 Asbestos Paper (Elastomeric Binder)  
 343 307.3705 Asbestos Millboard  
 344 307.3706 Asbestos Roofing

- 345 307.3707 Asbestos Floor Tile
- 346 307.3708 Coating or Finishing of Asbestos Textiles
- 347 307.3709 Solvent Recovery
- 348 307.3710 Vapor Absorption
- 349 307.3711 Wet Dust Collection

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351 SUBPART BC: RUBBER MANUFACTURING

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353 Section

- 354 307.3801 Tire and Inner Tube Plants
- 355 307.3802 Emulsion Crumb Rubber
- 356 307.3803 Solution Crumb Rubber
- 357 307.3804 Latex Rubber
- 358 307.3805 Small-Sized General Molded, Extruded, and Fabricated Rubber Plants
- 359 307.3806 Medium-Sized General Molded, Extruded, and Fabricated Rubber Plants
- 360 307.3807 Large-Sized General Molded, Extruded, and Fabricated Rubber Plants
- 361 307.3808 Wet Digestion Reclaimed Rubber
- 362 307.3809 Pan, Dry Digestion, and Mechanical Reclaimed Rubber
- 363 307.3810 Latex-Dipped, Latex-Extruded, and Latex-Molded Rubber
- 364 307.3811 Latex Foam

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366 SUBPART BD: TIMBER PRODUCTS PROCESSING

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368 Section

- 369 307.3900 General Provisions
- 370 307.3901 Barking
- 371 307.3902 Veneer
- 372 307.3903 Plywood
- 373 307.3904 Dry Process Hardboard
- 374 307.3905 Wet Process Hardboard
- 375 307.3906 Wood Preserving – Water Borne or Nonpressure
- 376 307.3907 Wood Preserving – Steam
- 377 307.3908 Wood Preserving – Boulton
- 378 307.3909 Wet Storage
- 379 307.3910 Log Washing
- 380 307.3911 Sawmills and Planing Mills
- 381 307.3912 Finishing
- 382 307.3913 Particleboard Manufacturing
- 383 307.3914 Insulation Board
- 384 307.3915 Wood Furniture and Fixture Production without Water Wash Spray Booths or without Laundry Facilities
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- 386 307.3916 Wood Furniture and Fixture Production with Water Wash Spray Booths or with Laundry Facilities
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SUBPART BE: PULP, PAPER, AND PAPERBOARD

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391 Section

392 307.4000

General Provisions

393 307.4001

Dissolving Kraft

394 307.4002

Bleached Papergrade Kraft and Soda

395 307.4003

Unbleached Kraft

396 307.4004

Dissolving Sulfite

397 307.4005

Papergrade Sulfite

398 307.4006

Semi-Chemical

399 307.4007

Mechanical Pulp

400 307.4008

Non-Wood Chemical Pulp

401 307.4009

Secondary Fiber Deink

402 307.4010

Secondary Fiber Non-Deink

403 307.4011

Fine and Lightweight Papers from Purchased Pulp

404 307.4012

Tissue, Filter, Non-Woven, and Paperboard from Purchased Pulp

405 307.4013

Groundwood-Thermo-Mechanical (Repealed)

406 307.4014

Groundwood-CMN Papers (Repealed)

407 307.4015

Groundwood-Fine Papers (Repealed)

408 307.4016

Soda (Repealed)

409 307.4017

Deink (Repealed)

410 307.4018

Nonintegrated-Fine Papers (Repealed)

411 307.4019

Nonintegrated-Tissue Papers (Repealed)

412 307.4020

Tissue From Wastepaper (Repealed)

413 307.4021

Papergrade Sulfite (Drum Wash) (Repealed)

414 307.4022

Unbleached Kraft and Semi-Chemical (Repealed)

415 307.4023

Wastepaper-Molded Products (Repealed)

416 307.4024

Nonintegrated-Lightweight Papers (Repealed)

417 307.4025

Nonintegrated-Filter and Nonwoven Papers (Repealed)

418 307.4026

Nonintegrated-Paperboard (Repealed)

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SUBPART BF: BUILDERS' PAPER AND BOARD MILLS

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421

422 Section

423 307.4101

Builder's Paper and Roofing Felt (Repealed)

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SUBPART BG: MEAT PRODUCTS

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427 Section

428 307.4201

Simple Slaughterhouse

429 307.4202

Complex Slaughterhouse

430 307.4203

Low-Processing Packinghouse

431 307.4204 High-Processing Packinghouse  
432 307.4205 Small Processor  
433 307.4206 Meat Cutter  
434 307.4207 Sausage and Luncheon Meats Processor  
435 307.4208 Ham Processor  
436 307.4209 Canned Meats Processor  
437 307.4210 Renderer

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SUBPART BH: METAL FINISHING

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442 307.4300 General Provisions

443 307.4301 Metal Finishing

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SUBPART BJ: OIL AND GAS EXTRACTION

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447 Section

448 307.4503 Onshore Facility Standards

449 307.4508 Coalbed Methane Subcategory

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SUBPART BL: CENTRALIZED WASTE TREATMENT

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453 Section

454 307.4700 General Provisions

455 307.4701 Metals Treatment and Recovery

456 307.4702 Oils Treatment and Recovery

457 307.4703 Organics Treatment and Recovery

458 307.4704 Multiple Waste Streams

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SUBPART BN: PHARMACEUTICAL MANUFACTURING

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462 Section

463 307.4900 General Provisions

464 307.4901 Fermentation Products

465 307.4902 Extraction Products

466 307.4903 Chemical Synthesis Products

467 307.4904 Mixing/Compounding and Formulation

468 307.4905 Research (Repealed)

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SUBPART BQ: TRANSPORTATION EQUIPMENT CLEANING

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472 Section

473 307.5200 General Provisions

- 474 307.5201 Tank Trucks and Intermodal Tank Containers Transporting Chemical and
- 475 Petroleum Cargos
- 476 307.5202 Rail Tank Cars Transporting Chemical and Petroleum Cargos
- 477 307.5203 Tank Barges and Ocean/Sea Tankers Transporting Chemical and Petroleum
- 478 Cargos
- 479 307.5204 Tanks Transporting Food Grade Cargos

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481 SUBPART BR: PAVING AND ROOFING MATERIALS (TARS AND ASPHALT)

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- 483 Section
- 484 307.5301 Asphalt Emulsion
- 485 307.5302 Asphalt Concrete
- 486 307.5303 Asphalt Roofing
- 487 307.5304 Linoleum and Printed Asphalt Felt

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489 SUBPART BS: WASTE COMBUSTORS

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- 491 Section
- 492 307.5401 Commercial Hazardous Waste Combustor

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494 SUBPART BT: LANDFILLS

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- 496 Section
- 497 307.5500 General Provisions
- 498 307.5501 RCRA Subtitle C Hazardous Waste Landfill
- 499 307.5502 RCRA Subtitle D Non-Hazardous Waste Landfill

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501 SUBPART BU: PAINT FORMULATING

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- 504 307.5601 Oil-Base Solvent Wash Paint

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506 SUBPART BV: INK FORMULATING

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- 508 Section
- 509 307.5701 Oil-Base Solvent Wash Ink

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511 SUBPART CD: PESTICIDE CHEMICALS

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- 513 Section
- 514 307.6500 General Provisions
- 515 307.6501 Organic Pesticide Chemicals Manufacturing
- 516 307.6502 Metallo-Organic Pesticides Chemicals Manufacturing



517 307.6503 Pesticide Chemicals Formulating and Packaging  
518 307.6505 Repackaging of Agricultural Pesticides Performed at Refilling Establishments  
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520 SUBPART CG: CARBON BLACK MANUFACTURING

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522 Section  
523 307.6801 Carbon Black Furnace Process  
524 307.6802 Carbon Black Thermal Process  
525 307.6803 Carbon Black Channel Process  
526 307.6804 Carbon Black Lamp Process

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528 SUBPART CJ: BATTERY MANUFACTURING

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530 Section  
531 307.7100 General Provisions  
532 307.7101 Cadmium  
533 307.7102 Calcium  
534 307.7103 Lead  
535 307.7104 Leclanche  
536 307.7105 Lithium  
537 307.7106 Magnesium  
538 307.7107 Zinc

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540 SUBPART CL: PLASTICS MOLDING AND FORMING

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544 307.7301 Contact Cooling and Heating Water  
545 307.7302 Cleaning Water  
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552 307.7401 Aluminum Casting  
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575 SUBPART CP: ALUMINUM FORMING

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 616 307.APPENDIX A References to Previous Rules (Repealed)  
 617

618 AUTHORITY: Implementing Sections 7.2, 13, and 13.3 and authorized by Section 27 of the  
 619 Environmental Protection Act [415 ILCS 5/7.2, 13, 13.3, and 27].  
 620

621 SOURCE: Adopted in R70-5, March 31, 1971; amended in R70-8/R71-14/R71-20, March 7,  
 622 1972; amended in R74-3, October 30, 1975; amended in R74-15/R74-16 at 2 Ill. Reg. 44, p. 151,  
 623 effective November 2, 1978; amended in R76-17 at 2 Ill. Reg. 45, p. 101, effective November 5,  
 624 1978; amended in R76-21 at 6 Ill. Reg. 563, effective December 24, 1981; codified at 6 Ill. Reg.  
 625 7818; amended in R82-5/R82-10 at 8 Ill. Reg. 1625, effective January 18, 1984; amended in  
 626 R86-44 at 12 Ill. Reg. 2592, effective January 13, 1988; amended in R88-11 at 12 Ill. Reg.  
 627 13094, effective July 29, 1988; amended in R88-18 at 13 Ill. Reg. 1794, effective January 31,  
 628 1989; amended in R89-3 at 13 Ill. Reg. 19288, effective November 17, 1989; amended in R88-9  
 629 at 14 Ill. Reg. 3100, effective February 20, 1990; amended in R89-12 at 14 Ill. Reg. 7620,  
 630 effective May 8, 1990; amended in R91-5 at 16 Ill. Reg. 7377, effective April 27, 1992; amended  
 631 in R93-2 at 17 Ill. Reg. 19483, effective October 29, 1993; amended in R94-10 at 19 Ill. Reg.  
 632 9142, effective June 23, 1995; amended in R95-22 at 20 Ill. Reg. 5549, effective April 1, 1996;  
 633 amended in R97-23 at 21 Ill. Reg. 11930, effective August 12, 1997; amended in R99-4 at 23 Ill.  
 634 Reg. 4413, effective March 31, 1999; amended in R99-17 at 23 Ill. Reg. 8421, effective July 12,  
 635 1999; amended in R00-15 at 24 Ill. Reg. 11640, effective July 24, 2000; amended in R01-5 at 25  
 636 Ill. Reg. 1735, effective January 11, 2001; amended in R01-25 at 25 Ill. Reg. 10867, effective  
 637 August 14, 2001; amended in R03-13 at 27 Ill. Reg. 15095, effective September 10, 2003;  
 638 amended in R04-1 at 28 Ill. Reg. 3076, effective February 6, 2004; amended in R04-18 at 28 Ill.  
 639 Reg. 10661, effective July 13, 2004; amended in R05-4/R05-15 at 29 Ill. Reg. 6921, effective  
 640 April 26, 2005; amended in R06-13 at 30 Ill. Reg. 17811, effective October 26, 2006; amended  
 641 in R08-5/R08-7/R08-13 at 32 Ill. Reg. 18986, effective November 26, 2008; amended in R13-7  
 642 at 37 Ill. Reg. 1936, effective February 4, 2013; amended in R17-8 at 41 Ill. Reg. \_\_\_\_\_,  
 643 effective \_\_\_\_\_.  
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**Section 307.4503 Onshore Facility Standards**

a) Applicability. This Section applies to facilities engaged in the production, field exploration, drilling, well completion, and well treatment in the oil and gas extraction industry that are not included within subpart F of 40 CFR 435 (2016) (Stripper Subcategory), incorporated by reference. This incorporation includes no later amendments or editions.

BOARD NOTE: Subsection (a) is derived from 40 CFR 435.30 (2016).

b) Specialized Definitions. For the purpose of this Section, the general definitions, abbreviations, and methods of analysis set forth in 40 CFR 401 (2016), incorporated by reference, apply to this Section. This incorporation includes no later amendments or editions.

BOARD NOTE: Subsection (b) is derived from 40 CFR 435.31 (2016).

c) Pretreatment Standards for Existing Sources (PSES)

1) PSES for Wastewater from Unconventional Oil and Gas Extraction Except as provided in 40 CFR 403.7 and 403.13, incorporated by reference, any existing source subject to this Section must achieve the following PSES. This incorporation by reference includes no later amendments or editions.

A) There must be no discharge of wastewater pollutants associated with production, field exploration, drilling, well completion, or well treatment for unconventional oil and gas extraction (including, but not limited to, drilling muds, drill cuttings, produced sand, or produced water) into publicly owned treatment works.

B) For the purposes of this subsection (c) and subsection (d), the following definitions apply:

i) "Unconventional oil and gas" means crude oil and natural gas produced by a well drilled into a shale or tight formation (including, but not limited to, shale gas, shale oil, tight gas, or tight oil).

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- ii) "Drill cuttings" means the particles generated by drilling into subsurface geologic formations and carried out from the wellbore with the drilling fluid.
  - iii) "Drilling mud" means the circulating fluid (mud) used in the rotary drilling of wells to clean and condition the hole and to counterbalance formation pressure.
  - iv) "Produced sand" means the slurried particles used in hydraulic fracturing, the accumulated formation sands, and scales particles generated during production. Produced sand also includes desander discharge from the produced water waste stream and blowdown of the water phase from the produced water treating system.
  - v) "Produced water" means the fluid brought up from the hydrocarbon-bearing strata during the extraction of oil and gas, and includes, where present, formation water, injection water, and any chemicals added downhole or during the oil/water separation process.

708 C) Compliance Deadline for Existing Sources. Existing sources  
709 lawfully discharging into publicly owned treatment works on or  
710 between April 7, 2015 and June 28, 2016 must comply with the  
711 PSES before August 29, 2019. All other existing sources must  
712 immediately comply.

713  
714 BOARD NOTE: Corresponding 40 CFR 435.33(a)(3) provides,  
715 "All other existing sources shall comply by August 29, 2016."  
716

717 2) PSES for Wastewater from Conventional Oil and Gas Extraction. This  
718 subsection (c)(2) corresponds with 40 CFR 435.33(a)(2), which USEPA  
719 has marked "reserved" to clarify that the pretreatment standards of 40  
720 CFR 435.33 do not apply to conventional oil and gas extraction. This  
721 statement fulfills USEPA's intent in the Illinois standards.  
722

723 BOARD NOTE: Subsection (c) is derived from 40 CFR 435.33 (2016), as  
724 amended at 81 Fed. Reg. 67191 (Sept. 30, 2016).  
725

726 d) Pretreatment Standards for New Sources (PSNS)  
727

728 1) Wastewater from Unconventional Oil and Gas Extraction. Except as  
729 provided in 40 CFR 403.7 and 403.13, incorporated by reference, any new

730 source with discharges subject to this Section must achieve the following  
731 PSNS. This incorporation by reference includes no later amendments or  
732 editions. There must be no discharge of wastewater pollutants associated  
733 with production, field exploration, drilling, well completion, or well  
734 treatment for unconventional oil and gas extraction (including, but not  
735 limited to, drilling muds, drill cuttings, produced sand, or produced water)  
736 into publicly owned treatment works.

737  
738 2) PSNS for Wastewater from Conventional Oil and Gas Extraction. This  
739 subsection (d)(2) corresponds with 40 CFR 435.34(b), which USEPA has  
740 marked "reserved" to clarify that the pretreatment standards of 40 CFR  
741 435.34 do not apply to conventional oil and gas extraction. This statement  
742 fulfills USEPA's intent in the Illinois standards.

743  
744 BOARD NOTE: Subsection (d) is derived from 40 CFR 435.34 (2016).

745  
746 (Source: Added at 41 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

747  
748 **Section 307.4508 Coalbed Methane Subcategory**

749  
750 This Section corresponds with subpart H of 40 CFR 435, which USEPA has marked "reserved"  
751 to clarify that the pretreatment standards of subpart C of 40 CFR 435 do not apply to coalbed  
752 methane. This statement fulfills USEPA's intent in the Illinois standards.

753  
754 (Source: Added at 41 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE C: WATER POLLUTION  
CHAPTER I: POLLUTION CONTROL BOARD

PART 307  
SEWER DISCHARGE CRITERIA

SUBPART A: GENERAL PROVISIONS

Section  
307.101 Preamble (Renumbered)  
307.102 General Requirements (Renumbered)  
307.103 Mercury (Renumbered)  
307.104 Cyanide (STORET number 00720) (Renumbered)  
307.105 Pretreatment Requirements (Repealed)  
307.1001 Preamble  
307.1002 Definitions  
307.1003 Test Procedures for Measurement  
307.1005 Toxic Pollutants  
307.1006 Electronic Reporting

SUBPART B: GENERAL AND SPECIFIC PRETREATMENT REQUIREMENTS

Section  
307.1101 General and Specific Requirements  
307.1102 Mercury  
307.1103 Cyanide

SUBPART F: DAIRY PRODUCTS PROCESSING

Section  
307.1501 Receiving Stations  
307.1502 Fluid Products  
307.1503 Cultured Products  
307.1504 Butter  
307.1505 Cottage Cheese and Cultured Cream Cheese  
307.1506 Natural and Processed Cheese.  
307.1507 Fluid Mix for Ice Cream and other Frozen Desserts  
307.1508 Ice Cream, Frozen Desserts, Novelties, and Other Dairy  
Desserts  
307.1509 Condensed Milk  
307.1510 Dry Milk  
307.1511 Condensed Whey  
307.1512 Dry Whey

SUBPART G: GRAIN MILLS

Section  
307.1601 Corn Wet Milling  
307.1602 Corn Dry Milling  
307.1603 Normal Wheat Flour Milling  
307.1604 Bulgur Wheat Flour Milling



307.1605 Normal Rice Milling  
307.1606 Parboiled Rice Milling  
307.1607 Animal Feed  
307.1608 Hot Cereal  
307.1609 Ready-to-Eat Cereal  
307.1610 Wheat Starch and Gluten

SUBPART H: CANNED AND PRESERVED FRUITS AND VEGETABLES

Section

307.1700 General Provisions  
307.1701 Apple Juice  
307.1702 Apple Products  
307.1703 Citrus Products  
307.1704 Frozen Potato Products  
307.1705 Dehydrated Potato Products  
307.1706 Canned and Preserved Fruits  
307.1707 Canned and Preserved Vegetables  
307.1708 Canned and Miscellaneous Specialties

SUBPART I: CANNED AND PRESERVED SEAFOOD

Section

307.1801 Farm-Raised Catfish  
307.1815 Fish Meal Processing Subcategory

SUBPART J: SUGAR PROCESSING

Section

307.1901 Beet Sugar Processing  
307.1902 Crystalline Cane Sugar Refining  
307.1903 Liquid Cane Sugar Refining

SUBPART K: TEXTILE MILLS

Section

307.2000 General Provisions  
307.2001 Wool Scouring  
307.2002 Wool Finishing  
307.2003 Low Water Use Processing  
307.2004 Woven Fabric Finishing  
307.2005 Knit Fabric Finishing  
307.2006 Carpet Finishing  
307.2007 Stock and Yarn Finishing  
307.2008 Nonwoven Manufacturing  
307.2009 Felted Fabric Processing

SUBPART L: CEMENT MANUFACTURING

Section

307.2101 Nonleaching  
307.2102 Leaching



307.2103 Materials Storage Piles Runoff

SUBPART M: CONCENTRATED ANIMAL FEEDING OPERATIONS

Section

307.2201 General

307.2202 Ducks

SUBPART N: ELECTROPLATING

Section

307.2300 General Provisions

307.2301 Electroplating of Common Metals

307.2302 Electroplating of Precious Metals

307.2304 Anodizing

307.2305 Coatings

307.2306 Chemical Etching and Milling

307.2307 Electroless Plating

307.2308 Printed Circuit Boards

SUBPART O: ORGANIC CHEMICALS, PLASTICS, AND SYNTHETIC FIBERS

Section

307.2400 General Provisions

307.2401 Rayon Fibers

307.2402 Other Fibers

307.2403 Thermoplastic Resins

307.2404 Thermosetting Resins

307.2405 Commodity Organic Chemicals

307.2406 Bulk Organic Chemicals

307.2407 Specialty Organic Chemicals

307.2410 Indirect Discharge Point Sources

307.2490 Non-Complexed Metal-Bearing and Cyanide-Bearing Waste Streams

307.2491 Complexed Metal-Bearing Waste Streams

SUBPART P: INORGANIC CHEMICALS MANUFACTURING

Section

307.2500 General Provisions

307.2501 Aluminum Chloride Production

307.2502 Aluminum Sulfate Production

307.2503 Calcium Carbide Production

307.2504 Calcium Chloride Production

307.2505 Calcium Oxide Production

307.2506 Chlor-Alkali Process (Chlorine and Sodium or Potassium Hydroxide Production)

307.2508 Hydrofluoric Acid Production

307.2509 Hydrogen Peroxide Production

307.2511 Potassium Metal Production

307.2512 Potassium Dichromate Production

307.2513 Potassium Sulfate Production

307.2514 Sodium Bicarbonate Production

307.2516 Sodium Chloride Production  
307.2517 Sodium Dichromate and Sodium Sulfate Production  
307.2520 Sodium Sulfite Production  
307.2522 Titanium Dioxide Production  
307.2523 Aluminum Fluoride Production  
307.2524 Ammonium Chloride Production  
307.2527 Borax Production  
307.2528 Boric Acid Production  
307.2529 Bromine Production  
307.2530 Calcium Carbonate Production  
307.2531 Calcium Hydroxide Production  
307.2533 Carbon Monoxide and Byproduct Hydrogen Production  
307.2534 Chrome Pigments Production  
307.2535 Chromic Acid Production  
307.2536 Copper Salts Production  
307.2538 Ferric Chloride Production  
307.2540 Fluorine Production  
307.2541 Hydrogen Production  
307.2542 Hydrogen Cyanide Production  
307.2543 Iodine Production  
307.2544 Lead Monoxide Production  
307.2545 Lithium Carbonate Production  
307.2547 Nickel Salts Production  
307.2549 Oxygen and Nitrogen Production  
307.2550 Potassium Chloride Production  
307.2551 Potassium Iodide Production  
307.2553 Silver Nitrate Production  
307.2554 Sodium Bisulfite Production  
307.2555 Sodium Fluoride Production  
307.2560 Stannic Oxide Production  
307.2563 Zinc Sulfate Production  
307.2564 Cadmium Pigments and Salts Production  
307.2565 Cobalt Salts Production  
307.2566 Sodium Chlorate Production  
307.2567 Zinc Chloride Production

SUBPART R: SOAP AND DETERGENTS

Section

307.2701 Soap Manufacturing by Batch Kettle  
307.2702 Fatty Acid Manufacturing by Fat Splitting  
307.2703 Soap Manufacturing by Fatty Acid Neutralization  
307.2704 Glycerine Concentration  
307.2705 Glycerine Distillation  
307.2706 Manufacture of Soap Flakes and Powders  
307.2707 Manufacture of Bar Soaps  
307.2708 Manufacture of Liquid Soaps  
307.2709 Oleum Sulfonation and Sulfation  
307.2710 Air-Sulfur Trioxide Sulfation and Sulfonation  
307.2711 Sulfur Trioxide Solvent and Vacuum Sulfonation  
307.2712 Sulfamic Acid Sulfation  
307.2713 Chlorosulfonic Acid Sulfation

307.2714 Neutralization of Sulfuric Acid Esters and Sulfonic Acids  
307.2715 Manufacture of Spray Dried Detergents  
307.2716 Manufacture of Liquid Detergents  
307.2717 Manufacturing of Detergents by Dry Blending  
307.2718 Manufacture of Drum Dried Detergents  
307.2719 Manufacture of Detergent Bars and Cakes

SUBPART S: FERTILIZER MANUFACTURING

Section

307.2801 Phosphate  
307.2802 Ammonia  
307.2803 Urea  
307.2804 Ammonium Nitrate  
307.2805 Nitric Acid  
307.2806 Ammonium Sulfate Production  
307.2807 Mixed and Blend Fertilizer Production

SUBPART T: PETROLEUM REFINING

Section

307.2901 Topping  
307.2902 Cracking  
307.2903 Petrochemical  
307.2904 Lube  
307.2905 Integrated

SUBPART U: IRON AND STEEL MANUFACTURING

Section

307.3000 General Provisions  
307.3001 Cokemaking  
307.3002 Sintering  
307.3003 Ironmaking  
307.3004 Steelmaking  
307.3005 Vacuum Degassing  
307.3006 Continuous Casting  
307.3007 Hot Forming  
307.3008 Salt Bath Descaling  
307.3009 Acid Pickling  
307.3010 Cold Forming  
307.3011 Alkaline Cleaning  
307.3012 Hot Coating  
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SUBPART V: NONFERROUS METALS MANUFACTURING

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307.3100 General Provisions  
307.3101 Bauxite Refining  
307.3102 Primary Aluminum Smelting  
307.3103 Secondary Aluminum Smelting

307.3104 Primary Copper Smelting  
307.3105 Primary Electrolytic Copper Refining  
307.3106 Secondary Copper  
307.3107 Primary Lead  
307.3108 Primary Zinc  
307.3109 Metallurgical Acid Plants  
307.3110 Primary Tungsten  
307.3111 Primary Columbium-Tantalum  
307.3112 Secondary Silver  
307.3113 Secondary Lead  
307.3114 Primary Antimony  
307.3115 Primary Beryllium  
307.3116 Primary and Secondary Germanium and Gallium  
307.3117 Secondary Indium  
307.3118 Secondary Mercury  
307.3119 Primary Molybdenum and Rhenium  
307.3120 Secondary Molybdenum and Vanadium  
307.3121 Primary Nickel and Cobalt  
307.3122 Secondary Nickel  
307.3123 Primary Precious Metals and Mercury  
307.3124 Secondary Precious Metals  
307.3125 Primary Rare Earth Metals  
307.3126 Secondary Tantalum  
307.3127 Secondary Tin  
307.3128 Primary and Secondary Titanium  
307.3129 Secondary Tungsten and Cobalt  
307.3130 Secondary Uranium  
307.3131 Primary Zirconium and Hafnium

SUBPART X: STEAM ELECTRIC POWER GENERATING

Section

307.3301 Steam Electric Power Generating

SUBPART Y: FERROALLOY MANUFACTURING

Section

307.3401 Open Electric Furnaces With Wet Air Pollution Control Devices  
307.3402 Covered Electric Furnaces and Other Smelting Operations with  
Wet Air Pollution Control Devices  
307.3403 Slag Processing  
307.3404 Covered Calcium Carbide Furnaces With Wet Air Pollution  
Control Devices  
307.3405 Other Calcium Carbide Furnaces  
307.3406 Electrolytic Manganese Products  
307.3407 Electrolytic Chromium

SUBPART Z: LEATHER TANNING AND FINISHING

Section

307.3500 General Provisions  
307.3501 Hair Pulp, Chrome Tan, Retan-Wet Finish

307.3502 Hair Save, Chrome Tan, Retan-Wet Finish  
307.3503 Hair Save or Pulp, Non-Chrome Tan, Retan-Wet Finish  
307.3504 Retan-Wet Finish-Sides  
307.3505 No Beamhouse  
307.3506 Through-the-Blue  
307.3507 Shearling  
307.3508 Pigskin  
307.3509 Retan-Wet Finish-Splits  
307.3590 Potassium Ferricyanide Titration Method

SUBPART BA: GLASS MANUFACTURING

Section

307.3601 Insulation Fiberglass  
307.3602 Sheet Glass Manufacturing  
307.3603 Rolled Glass Manufacturing  
307.3604 Plate Glass Manufacturing  
307.3605 Float Glass Manufacturing  
307.3606 Automotive Glass Tempering  
307.3607 Automotive Glass Laminating  
307.3608 Glass Container Manufacturing  
307.3610 Glass Tubing (Danner) Manufacturing  
307.3611 Television Picture Tube Envelope Manufacturing  
307.3612 Incandescent Lamp Envelope Manufacturing  
307.3613 Hand Pressed and Blown Glass Manufacturing

SUBPART BB: ASBESTOS MANUFACTURING

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307.3701 Asbestos-Cement Pipe  
307.3702 Asbestos-Cement Sheet  
307.3703 Asbestos Paper (Starch Binder)  
307.3704 Asbestos Paper (Elastomeric Binder)  
307.3705 Asbestos Millboard  
307.3706 Asbestos Roofing  
307.3707 Asbestos Floor Tile  
307.3708 Coating or Finishing of Asbestos Textiles  
307.3709 Solvent Recovery  
307.3710 Vapor Absorption  
307.3711 Wet Dust Collection

SUBPART BC: RUBBER MANUFACTURING

Section

307.3801 Tire and Inner Tube Plants  
307.3802 Emulsion Crumb Rubber  
307.3803 Solution Crumb Rubber  
307.3804 Latex Rubber  
307.3805 Small-Sized General Molded, Extruded, and Fabricated Rubber  
Plants  
307.3806 Medium-Sized General Molded, Extruded, and Fabricated Rubber  
Plants

307.3807 Large-Sized General Molded, Extruded, and Fabricated Rubber  
Plants  
307.3808 Wet Digestion Reclaimed Rubber  
307.3809 Pan, Dry Digestion, and Mechanical Reclaimed Rubber  
307.3810 Latex-Dipped, Latex-Extruded, and Latex-Molded Rubber  
307.3811 Latex Foam

SUBPART BD: TIMBER PRODUCTS PROCESSING

Section

307.3900 General Provisions  
307.3901 Barking  
307.3902 Veneer  
307.3903 Plywood  
307.3904 Dry Process Hardboard  
307.3905 Wet Process Hardboard  
307.3906 Wood Preserving - Water Borne or Nonpressure  
307.3907 Wood Preserving - Steam  
307.3908 Wood Preserving - Boulton  
307.3909 Wet Storage  
307.3910 Log Washing  
307.3911 Sawmills and Planing Mills  
307.3912 Finishing  
307.3913 Particleboard Manufacturing  
307.3914 Insulation Board  
307.3915 Wood Furniture and Fixture Production without Water Wash  
Spray Booths or without Laundry Facilities  
307.3916 Wood Furniture and Fixture Production with Water Wash Spray  
Booths or with Laundry Facilities

SUBPART BE: PULP, PAPER, AND PAPERBOARD

Section

307.4000 General Provisions  
307.4001 Dissolving Kraft  
307.4002 Bleached Papergrade Kraft and Soda  
307.4003 Unbleached Kraft  
307.4004 Dissolving Sulfite  
307.4005 Papergrade Sulfite  
307.4006 Semi-Chemical  
307.4007 Mechanical Pulp  
307.4008 Non-Wood Chemical Pulp  
307.4009 Secondary Fiber Deink  
307.4010 Secondary Fiber Non-Deink  
307.4011 Fine and Lightweight Papers from Purchased Pulp  
307.4012 Tissue, Filter, Non-Woven, and Paperboard from Purchased Pulp  
307.4013 Groundwood-Thermo-Mechanical (Repealed)  
307.4014 Groundwood-CMN Papers (Repealed)  
307.4015 Groundwood-Fine Papers (Repealed)  
307.4016 Soda (Repealed)  
307.4017 Deink (Repealed)  
307.4018 Nonintegrated-Fine Papers (Repealed)

307.4900 General Provisions  
307.4901 Fermentation Products  
307.4902 Extraction Products  
307.4903 Chemical Synthesis Products  
307.4904 Mixing/Compounding and Formulation  
307.4905 Research (Repealed)

SUBPART BQ: TRANSPORTATION EQUIPMENT CLEANING

Section

307.5200 General Provisions  
307.5201 Tank Trucks and Intermodal Tank Containers Transporting  
Chemical and Petroleum Cargos  
307.5202 Rail Tank Cars Transporting Chemical and Petroleum Cargos  
307.5203 Tank Barges and Ocean/Sea Tankers Transporting Chemical and  
Petroleum Cargos  
307.5204 Tanks Transporting Food Grade Cargos

SUBPART BR: PAVING AND ROOFING MATERIALS (TARS AND ASPHALT)

Section

307.5301 Asphalt Emulsion  
307.5302 Asphalt Concrete  
307.5303 Asphalt Roofing  
307.5304 Linoleum and Printed Asphalt Felt

SUBPART BS: WASTE COMBUSTORS

Section

307.5401 Commercial Hazardous Waste Combustor

SUBPART BT: LANDFILLS

Section

307.5500 General Provisions  
307.5501 RCRA Subtitle C Hazardous Waste Landfill  
307.5502 RCRA Subtitle D Non-Hazardous Waste Landfill

SUBPART BU: PAINT FORMULATING

Section

307.5601 Oil-Base Solvent Wash Paint

SUBPART BV: INK FORMULATING

Section

307.5701 Oil-Base Solvent Wash Ink

SUBPART CD: PESTICIDE CHEMICALS

Section

307.6500 General Provisions

307.6501 Organic Pesticide Chemicals Manufacturing  
307.6502 Metallo-Organic Pesticides Chemicals Manufacturing  
307.6503 Pesticide Chemicals Formulating and Packaging  
307.6505 Repackaging of Agricultural Pesticides Performed at Refilling  
Establishments

SUBPART CG: CARBON BLACK MANUFACTURING

Section

307.6801 Carbon Black Furnace Process  
307.6802 Carbon Black Thermal Process  
307.6803 Carbon Black Channel Process  
307.6804 Carbon Black Lamp Process

SUBPART CJ: BATTERY MANUFACTURING

Section

307.7100 General Provisions  
307.7101 Cadmium  
307.7102 Calcium  
307.7103 Lead  
307.7104 Leclanche  
307.7105 Lithium  
307.7106 Magnesium  
307.7107 Zinc

SUBPART CL: PLASTICS MOLDING AND FORMING

Section

307.7300 General Provisions  
307.7301 Contact Cooling and Heating Water  
307.7302 Cleaning Water  
307.7303 Finishing Water

SUBPART CM: METAL MOLDING AND CASTING

Section

307.7400 General Provisions  
307.7401 Aluminum Casting  
307.7402 Copper Casting  
307.7403 Ferrous Casting  
307.7404 Zinc Casting

SUBPART CN: COIL COATING

Section

307.7500 General Provisions  
307.7501 Steel Basis Material  
307.7502 Galvanized Basis Material  
307.7503 Aluminum Basis Material  
307.7504 Canmaking



SUBPART CO: PORCELAIN ENAMELING

Section

307.7600 General Provisions  
307.7601 Steel Basis Material  
307.7602 Cast Iron Basis Material  
307.7603 Aluminum Basis Material  
307.7604 Copper Basis Material

SUBPART CP: ALUMINUM FORMING

Section

307.7700 General Provisions  
307.7701 Rolling With Neat Oils  
307.7702 Rolling With Emulsions  
307.7703 Extrusion  
307.7704 Forging  
307.7705 Drawing With Neat Oils  
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SUBPART CQ: COPPER FORMING

Section

307.7800 General Provisions  
307.7801 Copper Forming  
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SUBPART CR: ELECTRICAL AND ELECTRONIC COMPONENTS

Section

307.7901 Semiconductor  
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SUBPART CT: NONFERROUS METALS FORMING AND METAL POWDERS

Section

307.8100 General Provisions  
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307.8102 Magnesium Forming  
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307.8108 Zinc Forming  
307.8109 Zirconium-Hafnium Forming  
307.8110 Metal Powders

307.APPENDIX A References to Previous Rules (Repealed)

AUTHORITY: Implementing Sections 7.2, 13, and 13.3 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/7.2, 13, 13.3, and 27].

SOURCE: Adopted in R70-5, March 31, 1971; amended in R70-8/R71-14/R71-20, March 7, 1972; amended in R74-3, October 30, 1975; amended in R74-15/R74-16 at 2 Ill. Reg. 44, p. 151, effective November 2, 1978; amended in R76-17 at 2 Ill. Reg. 45, p. 101, effective November 5, 1978; amended in R76-21 at 6 Ill. Reg. 563, effective December 24, 1981; codified at 6 Ill. Reg. 7818; amended in R82-5/R82-10 at 8 Ill. Reg. 1625, effective January 18, 1984; amended in R86-44 at 12 Ill. Reg. 2592, effective January 13, 1988; amended in R88-11 at 12 Ill. Reg. 13094, effective July 29, 1988; amended in R88-18 at 13 Ill. Reg. 1794, effective January 31, 1989; amended in R89-3 at 13 Ill. Reg. 19288, effective November 17, 1989; amended in R88-9 at 14 Ill. Reg. 3100, effective February 20, 1990; amended in R89-12 at 14 Ill. Reg. 7620, effective May 8, 1990; amended in R91-5 at 16 Ill. Reg. 7377, effective April 27, 1992; amended in R93-2 at 17 Ill. Reg. 19483, effective October 29, 1993; amended in R94-10 at 19 Ill. Reg. 9142, effective June 23, 1995; amended in R95-22 at 20 Ill. Reg. 5549, effective April 1, 1996; amended in R97-23 at 21 Ill. Reg. 11930, effective August 12, 1997; amended in R99-4 at 23 Ill. Reg. 4413, effective March 31, 1999; amended in R99-17 at 23 Ill. Reg. 8421, effective July 12, 1999; amended in R00-15 at 24 Ill. Reg. 11640, effective July 24, 2000; amended in R01-5 at 25 Ill. Reg. 1735, effective January 11, 2001; amended in R01-25 at 25 Ill. Reg. 10867, effective August 14, 2001; amended in R03-13 at 27 Ill. Reg. 15095, effective September 10, 2003; amended in R04-1 at 28 Ill. Reg. 3076, effective February 6, 2004; amended in R04-18 at 28 Ill. Reg. 10661, effective July 13, 2004; amended in R05-4/R05-15 at 29 Ill. Reg. 6921, effective April 26, 2005; amended in R06-13 at 30 Ill. Reg. 17811, effective October 26, 2006; amended in R08-5/R08-7/R08-13 at 32 Ill. Reg. 18986, effective November 26, 2008; amended in R13-7 at 37 Ill. Reg. 1936, effective February 4, 2013; amended in R17-8 at 41 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

#### SUBPART BJ: OIL AND GAS EXTRACTION

##### Section 307.4503 Onshore Facility Standards

a) Applicability. This Section applies to facilities engaged in the production, field exploration, drilling, well completion, and well treatment in the oil and gas extraction industry that are not included within subpart F of 40 ~~C.F.R.~~ CFR 435 (2016) (Stripper Subcategory), incorporated by reference. This incorporation includes no later amendments or editions.

BOARD NOTE: Subsection (a) is derived from 40 CFR 435.30 (2016).

b) Specialized Definitions. For the purpose of this Section, the general definitions, abbreviations, and methods of analysis set forth in

40 CFR 401 (2016), incorporated by reference, apply to this Section. This incorporation includes no later amendments or editions.

BOARD NOTE: Subsection (b) is derived from 40 CFR 435.31 (2016).

c) Pretreatment Standards for Existing Sources (PSES) ~~+~~

1) PSES for Wastewater from Unconventional Oil and Gas Extraction. ~~—~~ Except as provided in 40 CFR 403.7 and 403.13, incorporated by reference, any existing source subject to this Section must achieve the following ~~pretreatment standards for existing sources (PSES)~~ PSES. This incorporation by reference includes no later amendments or editions.

A) There must be no discharge of wastewater pollutants associated with production, field exploration, drilling, well completion, or well treatment for unconventional oil and gas extraction (including, but not limited to, drilling muds, drill cuttings, produced sand, or produced water) into publicly owned treatment works.

B) For the purposes of this subsection (c) and subsection (d), the following definitions apply:

i) "Unconventional oil and gas" means crude oil and natural gas produced by a well drilled into a shale or tight formation (including, but not limited to, shale gas, shale oil, tight gas, or tight oil).

ii) "Drill cuttings" means the particles generated by drilling into subsurface geologic formations and carried out from the wellbore with the drilling fluid.

iii) "Drilling mud" means the circulating fluid (mud) used in the rotary drilling of wells to clean and condition the hole and to counterbalance formation pressure.

iv) "Produced sand" means the slurried particles used in hydraulic fracturing, the accumulated formation sands, and scales particles generated during production. Produced sand also includes desander discharge from the produced water waste stream ~~+~~ and blowdown of the water phase from the produced water treating system.

v) "Produced water" means the fluid brought up from the hydrocarbon-bearing strata during the extraction of oil and gas, and includes, where present, formation water, injection water, and any chemicals added downhole or during the oil/water separation process.

C) Compliance Deadline for Existing Sources. Existing sources lawfully discharging into publicly owned treatment works on or between April 7, 2015 and June 28, 2016 must comply with the PSES before August 29, 2019. All other existing sources must immediately comply.

BOARD NOTE: Corresponding 40 CFR 435.33(a)(3) provides, "All other existing sources shall comply by August 29, 2016."

2) PSES for Wastewater from Conventional Oil and Gas Extraction. This subsection (c)(2) corresponds with 40 CFR 435.33(a)(2), which USEPA has marked "reserved" to clarify that the pretreatment standards of 40 CFR 435.33 do not apply to conventional oil and gas extraction. This statement fulfills USEPA's intent in the Illinois standards.

BOARD NOTE: Subsection (c) is derived from 40 CFR 435.33 (2016), as amended at 81 Fed. Reg. 67191 (~~Sep~~Sept. 30, 2016).

d) Pretreatment Standards for New Sources (PSNS) ~~-~~

1) Wastewater from Unconventional Oil and Gas Extraction. Except as provided in 40 CFR 403.7 and 403.13, incorporated by reference, any new source with discharges subject to this ~~section~~Section must achieve the following ~~pretreatment standards for new sources (PSNS)~~PSNS. This incorporation by reference includes no later amendments or editions. There must be no discharge of wastewater pollutants associated with production, field exploration, drilling, well completion, or well treatment for unconventional oil and gas extraction (including, but not limited to, drilling muds, drill cuttings, produced sand, or produced water) into publicly owned treatment works.

2) PSNS for Wastewater from Conventional Oil and Gas Extraction. This subsection (d)(2) corresponds with 40 CFR 435.34(b), which USEPA has marked "reserved" to clarify that the pretreatment standards of 40 CFR 435.34 do not apply to conventional oil and gas extraction. This statement fulfills USEPA's intent in the Illinois standards.

BOARD NOTE: Subsection (d) is derived from 40 CFR 435.34 (2016).

(Source: Added at 41 Ill. Reg. ~~\_\_\_\_\_~~---, effective \_\_\_\_\_)

Section 307.4508 Coalbed Methane Subcategory

This Section corresponds with subpart H of 40 CFR 435, which USEPA has marked "reserved" to clarify that the pretreatment standards of subpart C of 40 CFR 435 do not apply to coalbed methane. This statement fulfills USEPA's intent in the Illinois standards.

(Source: Added at 41 Ill. Reg. ~~\_\_\_\_\_~~---, effective \_\_\_\_\_)

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