

ILLINOIS POLLUTION CONTROL BOARD  
February 3, 2005

IN THE MATTER OF: )  
)  
WASTEWATER PRETREATMENT ) R05-4  
UPDATE, USEPA AMENDMENTS ) (Identical-in-Substance  
(January 1, 2004 through June 30, 2004) ) Rulemaking - Water)

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WASTEWATER PRETREATMENT ) R05-15  
UPDATE, USEPA AMENDMENTS ) (Identical-in-Substance  
(July 1, 2004 through December 31, 2004, ) Rulemaking - Water)  
February 1, 2005) ) (Consolidated)

Proposed Rule. Proposal for Public Comment.

OPINION AND ORDER OF THE BOARD (by N.J. Melas):

This identical-in-substance rulemaking proposes updating the Illinois wastewater pretreatment regulations to incorporate revisions to the federal regulations. The United States Environmental Protection Agency (USEPA) made the amendments that prompted this action during two periods: January 1, 2004 through June 30, 2004 and July 1, 2004 through December 31, 2004. The Board has further included a later USEPA action, dated February 1, 2005, as described below. This proceeding proposes amendments to 35 Ill. Adm. Code 307.

As explained below, for reasons of administrative economy, the Board is consolidating dockets R05-4 and R05-15. The caption in today's order reflects this consolidation.

Sections 7.2 and 13.3 of the Environmental Protection Act (Act) (415 ILCS 5/7.2 and 13.3 (2002)) require that the Board adopt regulations that are "identical in substance" to federal wastewater pretreatment regulations. These are rules adopted by the USEPA pursuant to sections 307(b), (c), and (d) and 402(b)(8) and (b)(9) of the Federal Water Pollution Control Act (FWPCA) (33 U.S.C. §§ 1317(b), (c), and (d) and 1342(b)(8) and (b)(9) (1994)). Section 13.3 also provides that Title VII of the Act and Section 5 of the Administrative Procedure Act (APA) (5 ILCS 100/5-35 and 5-40 (2002)) do not apply to the Board's adoption of identical-in-substance regulations. The federal wastewater pretreatment regulations are found at 40 C.F.R. 400 through 499.

The Board will cause the proposed amendments to be published in the *Illinois Register* and will hold the docket open to receive public comments for 45 days after the date of publication. The Board presently intends to adopt final amendments based on this proposal by May 6, 2005.

## **FEDERAL ACTIONS CONSIDERED IN THIS RULEMAKING**

USEPA amended the federal wastewater pretreatment regulations once during the period January 1, 2004 through June 30, 2004. That single action is summarized as follows:

### **69 Fed. Reg. 25324 (May 6, 2004)**

USEPA published a correction to the July 1, 2003 edition of 40 C.F.R. 439. The corrections reinstate text inadvertently deleted from two pages of the regulations; the corrections are not actual amendments to the federal regulations.

USEPA amended the federal wastewater pretreatment regulations on three occasions during the period July 1, 2004 through December 31, 2004. Those actions are summarized as follows:

### **69 Fed. Reg. 45944 (July 30, 2004)**

USEPA adopted national emission standards for hazardous air pollutants for the plywood and composite wood products source category. A segment of this action amended the definition of "process wastewater," which is key to determining the applicability of the wastewater effluent limitations, guidelines, and wastewater pretreatment standards to the affected industries.

### **69 Fed. Reg. 51892 (August 23, 2004)**

USEPA adopted effluent limitations guidelines and new source performance standards for concentrated aquatic animal production facilities. USEPA did not establish wastewater pretreatment standards for sources in this category.

### **69 Fed. Reg. 54476 (September 8, 2004)**

USEPA amended the effluent limitations guidelines and new source performance standards for meat producing facilities. USEPA did not establish wastewater pretreatment standards for sources in this category.

## **Federal Actions on Which No Action Will Be Necessary**

Two sets of federal amendments will require no corresponding action from the Board. The August 23, 2004 effluent limitations guidelines and new source performance standards for concentrated aquatic animal production facilities did not include wastewater pretreatment components. Similarly, the September 8, 2004 amendments to the effluent limitations guidelines and new source performance standards for meat producing facilities did not include wastewater pretreatment amendments.

## **Consolidation of Dockets R05-4 and R05-15**

On occasion it is necessary or desirable to consolidate two or more dockets for singular consideration. Such is the case for dockets R05-4 and R05-15.

Consolidation of two or more dockets may occur under a variety of circumstances. One such circumstance is where a single set of amendments affects the subject matter of more than one rulemaking docket. Another instance is where multiple sets of amendments in two or more dockets affect the same subject matter or rules. This might occur where USEPA amends rules amended in an earlier action, or where USEPA corrects earlier amendments. A third circumstance in which consolidation is desirable is where timely commencement of one set of amendments cannot easily occur until after completion of a prior set of amendments. The Board attempts to avoid contemporaneously pending sets of amendments to the same Part of the rules where possible. A fourth instance where consolidation is desirable is when that consolidation expedites the overall consideration of all amendments and the overall volume and complexity of the amendments do not favor separate considerations.

In the present dockets, R05-4 and R05-15, these considerations favor consolidation of the dockets. The two sets of amendments are light in volume, and the subject matters are simple. Further, separate consideration might necessitate a delay in the final adoption of the R05-15 amendments, since timely adoption of that matter would require the Board to adopt a proposal for public comment no later than April 21, 2005, which is the date when the Board presently anticipates voting to adopt the R05-4 amendments. Thus, separate consideration would require contemporaneously pending sets of amendments to Part 307 or a delay of adoption of the R05-15 amendments.

#### **Later Wastewater Pretreatment Amendments of Interest to Date**

The Board engages in ongoing monitoring of federal actions. As of the date of this opinion and accompanying order, the Board has identified one other USEPA action since January 1, 2005 that further amended the wastewater pretreatment rules in a way that would require immediate Board attention. That action is described as follows:

##### **70 Fed. Reg. 5058 (February 1, 2005)**

USEPA adopted a direct final rule that corrected an error in its August 14, 2000 adoption of pretreatment standards for the transportation equipment cleaning point source category (at 65 Fed. Reg. 49666). USEPA used “any existing source” in 40 C.F.R. 442.16(b), when it should have used “any new source.”

When the Board observes an action outside the nominal timeframe of a docket that would require expedited consideration in the pending docket, the Board will expedite consideration of those amendments. Federal actions that could warrant expedited consideration include those that directly affect the amendments involved in this docket, those for which compelling reasons would warrant consideration as soon as possible, and those for which the Board has received a request for expedited consideration. If the Board identifies any additional federal actions that fulfill these criteria prior to final action, the Board may include those amendments in the present consolidated update docket R05-4/R05-15.

**Other Federal Actions Having a Direct Impact on the  
Illinois Wastewater Pretreatment Regulations**

In addition to the amendments to the federal wastewater pretreatment regulations, amendments to other federal regulations occasionally affect the Illinois wastewater pretreatment rules. Most notably, 35 Ill. Adm. Code 310.107 includes incorporations of federal regulations by reference. The incorporated regulations include segments of various USEPA environmental regulations, most notably 40 C.F.R. 136, which sets forth methods for analysis of water and wastewater.

As of the date of this proposal for public comment, the Board has found no amendments to the incorporated materials.

**Summary Listing of the Federal Actions Forming the Basis of  
the Board's Actions in These Consolidated Dockets**

Based on the foregoing, the federal actions that form the basis for Board action in this update docket are the following, listed in chronological order:

May 6, 2004 (69 Fed. Reg. 25324)	Correction to the July 1, 2003 edition of 40 C.F.R. 439.
July 30, 2004 (69 Fed. Reg. 45944)	Amendment to the definition of "process wastewater," which alters the applicability of the regulations.
February 1, 2005 (70 Fed. Reg. 5058)	Correction of an error in the August 14, 2000 (65 Fed. Reg. 49666) pretreatment standards for the transportation equipment cleaning point source category.

**PUBLIC COMMENTS**

The Board will receive public comments on this proposal for a period of 45 days following its publication in the *Illinois Register*. After that time, the Board will immediately consider adoption of the amendments, making any necessary changes in response to public comments.

**TIMETABLE FOR COMPLETION OF THIS RULEMAKING**

Under Section 7.2 of the Act (415 ILCS 5/7.2(b) (2002)), the Board must complete this rulemaking within one year of the date of the earliest set of federal amendments considered in this docket. USEPA adopted the earliest federal amendments that required Board attention on May 6, 2004, so that the deadline for Board adoption of these amendments is May 6, 2005. The Board scheduled adoption of this proposal for public comment for the Board meeting of February 3, 2005, to allow for timely adoption of the rule by April 21, 2005. This will allow filing of these amendments before the May 6, 2005 deadline.

Considering the proposal of these amendments on this date, the Board projects the following will occur in the progress towards completion of these amendments:

Due date:	May 6, 2005
Date of Board vote to propose amendments:	February 3, 2005
Submission for <i>Illinois Register</i> publication:	February 14, 2005
Probable <i>Illinois Register</i> publication date:	February 25, 2005
End of 45-day public comment period:	April 11, 2005
Date of Board vote to adopt amendments:	April 21, 2005
Probable filing and effective date:	May 2, 2005
Probable <i>Illinois Register</i> publication date:	May 13, 2005

## **DISCUSSION**

The following discussion begins with a description of the various deviations the Board makes from the literal text of federal regulations in adopting identical-in-substance rules. It is followed by a discussion of the amendments and actions undertaken in direct response to the federal actions involved in this proceeding. This first series of discussions is organized by federal subject matter, generally appearing in chronological order of the relevant *Federal Register* notices involved. Finally, this discussion closes with a description of the amendments and actions that are not directly derived from the federal actions.

### **General Revisions and Deviations from the Federal Text**

In incorporating the federal rules into the Illinois system, some deviation from the federal text is unavoidable. This deviation arises primarily through differences between the federal and state regulatory structure and systems. Some deviation also arises through errors in and problems with the federal text itself. The Board conforms the federal text to the Illinois rules and regulatory scheme and corrects errors that we see in the text as we engage in these routine update rulemakings.

In addition to the amendments derived from federal amendments, the Board often finds it necessary to alter the text of various passages of the existing rules as provisions are opened for update in response to USEPA actions. This involves correcting deficiencies, clarifying provisions, and making other changes that are necessary to establish a clear set of rules that closely parallel the corresponding federal requirements within the codification scheme of the *Illinois Administrative Code*.

In the course of completing the two previous updates to the wastewater pretreatment regulations of 35 Ill. Adm. Code 307 and 310, the Board extensively reviewed and corrected the text of the rules. See Wastewater Pretreatment Update, USEPA Amendments (July 1, 2002 through December 31, 2002), R03-13 (Sept. 4, 2003); Wastewater Pretreatment Update, USEPA Amendments (January 1, 2003 through June 30, 2003), R04-1 (Jan. 22, 2004); and Wastewater Pretreatment Update, USEPA Amendments (July 1, 2003 through December 31, 2003), R04-18 (July 8, 2004). As a result, only a limited number of corrective amendments were found necessary at this time. These are limited to updating the version of the *Code of Federal Regulations* that is incorporated by reference in segments of the rules that are otherwise open for

amendment as a result of the federal amendments that prompted this rulemaking. Those corrective amendments are listed in the table on page 8 of this opinion.

### **Discussion of the Particular Federal Actions Involved in This Docket**

#### **Code of Federal Regulations Corrections--Section 307.4900, 307.4902, and 307.4903**

The USEPA action of May 6, 2004 (69 Fed. Reg. 25324), corrects an error in publication of the 2003 edition of the *Code of Federal Regulations*. The Government Printing Office omitted pages 401 and 408 of that volume. The corrections restore that omitted text. Affected were the texts of 40 C.F.R. 439.0, 439.1, 439.26, 439.27, and 439.30 through 439.34. Thus, corrected, the full text of each of these rules appears in the 2004 edition of the *Code of Federal Regulations (C.F.R.)*.

The Board proposes to incorporate the federal corrections. This requires little more than updating incorporations of federal rules by reference to the 2004 edition of the *C.F.R.* It further requires adding a formerly-omitted incorporation of a federal rule by reference.

Four of the restored federal rules (40 C.F.R. 439.0, 439.1, 439.30, and 439.31) are general provisions that affect wastewater pretreatment (in addition to direct dischargers of wastewater to whom the pretreatment rules do not apply). Board action will be required relative to three of these federal provisions. It will be necessary to add an incorporation of the general applicability statement (40 C.F.R. 439.0) by reference, since the text of the corresponding Illinois provision (35 Ill. Adm. Code 307.4900(a)) does not fully reflect the federal rule. No action is needed with regard to the other federal applicability statement (40 C.F.R. 439.30), since the text of the corresponding Illinois provision (35 Ill. Adm. Code 307.4903(a)) fully sets forth the federal text.

Two other federal rules (40 C.F.R. 439.26 and 439.27) set forth wastewater pretreatment standards. Updating the incorporations of these two federal definitions sections (40 C.F.R. 439.1 and 439.31) by reference will be necessary in the corresponding Illinois provisions (35 Ill. Adm. Code 307.4902(c)(1) and (d)(1)).

Three of the federal rules (40 C.F.R. 439.32, 439.30 through 439.34) relate to direct dischargers. These have nothing to do with wastewater pretreatment, so no Board action will be necessary based on these provisions.

The following table indicates the Illinois provision that corresponds with each of the federal provisions restored and the actions prompted by each restoration:

<b><u>Federal Provision</u></b>	<b><u>Nature of Provision</u></b>	<b><u>Illinois Provision</u></b>	<b><u>Board Action</u></b>
439.0	Applicability statement	307.4900(a)	Add incorporation of the 2004 edition of the <i>C.F.R.</i> by reference to reflect the text of the corresponding federal provision.

439.1	Specialized definitions	307.4900(b)	Update the incorporation by reference to the 2004 edition of the <i>C.F.R.</i>
439.26	Pretreatment standards for existing sources	307.4902(c)(1)	Update the incorporation by reference to the 2004 edition of the <i>C.F.R.</i>
439.27	Pretreatment standards for new sources	307.4902(d)(1)	Update the incorporation by reference to the 2004 edition of the <i>C.F.R.</i>
439.30	Applicability statement	307.4903(a)	None; the existing text already reflects the text of the corresponding federal provision.
439.31	Specialized definitions	307.4903(b)	Update the incorporation by reference to the 2004 edition of the <i>C.F.R.</i>
439.32	BPT-based effluent limitations	None	None
439.33	BCT-based effluent limitations	None	None
439.34	BAT-based effluent limitations	None	None

The Board requests public comment on the proposed incorporation of the May 6, 2004 restoration of inadvertently-omitted federal text to the *C.F.R.*

### **Ancillary Amendment to the Plywood and Composite Wood NESHAP--Section 307.3900**

On July 30, 2004 (69 Fed. Reg. 45944), USEPA adopted national emission standards for hazardous air pollutants (NESHAPs) applicable to the plywood and composite wood point-source categories. While NESHAPs are air emissions standards that normally have little to do with wastewater pretreatment, USEPA included one amendment relating to wastewater discharges. That amendment was to the definition of “process wastewater,” which is a definition critical to the applicability of the wastewater rules applicable to sources in the timber products processing point source category. The NESHAPs amendments excluded various wastewaters from the definition of process wastewater to which the water pollution control regulations apply. Excluded were wastewaters from washout of thermal oxidizers and catalytic oxidizers, biofilters, wet electrostatic precipitators used upstream of thermal oxidizers or catalytic oxidizers used to comply with the NESHAPs.

The Board proposes to incorporate the federal July 30, 2004 amendments. This is done by updating the incorporation of 40 C.F.R. 429.11 by reference in Section 307.3900(b) to the 2004 edition of the *C.F.R.*, including the July 30, 2003 amendments.

The following table indicates the Illinois provision that corresponds with the federal provision amended and the action prompted by each amendment:

<b><u>Federal Provision</u></b>	<b><u>Nature of Provision</u></b>	<b><u>Illinois Provision</u></b>	<b><u>Board Action</u></b>
429.11	Specialized definitions	307.3900(b)	Update the incorporation by reference to the 2004 edition of the <i>C.F.R.</i> , including the July 30, 2004 <i>Federal Register</i> notice of amendments.

The Board requests public comment on the proposed incorporation of the federal July 30, 2004 amendments.

### **Correction to the Transportation Equipment Cleaning Rule--Section 307.5201**

On February 1, 2005 (70 Fed. Reg. 5058), USEPA adopted a direct final rule that corrected an error in the August 14, 2000 (65 Fed. Reg. 49666) pretreatment standards applicable to the transportation equipment cleaning point source category. USEPA used “any existing source” in 40 C.F.R. 442.16(b), when it should have used “any new source,” in its pretreatment standards applicable to new sources. The Board incorporated the August 14, 2000 amendments into the Illinois wastewater pretreatment rules in Wastewater Pretreatment Update, USEPA Amendments (July 1, 2000 through December 31, 2000), R01-25 (Aug. 9, 2001).

The Board proposes to incorporate the federal February 1, 2005 correction. This is done by updating the incorporation of 40 C.F.R. 442.16 by reference in Section 307.5201(c)(1) to the 2004 edition of the *C.F.R.*, including the February 1, 2005 correction.

The following table indicates the Illinois provision that corresponds with the federal provision corrected and the action prompted by the correction:

<b><u>Federal Provision</u></b>	<b><u>Nature of Provision</u></b>	<b><u>Illinois Provision</u></b>	<b><u>Board Action</u></b>
442.16	Pretreatment standards for new sources	307.5201(c)(1)	Update the incorporation by reference to the 2004 edition of the <i>C.F.R.</i> , including the February 1, 2005 <i>Federal Register</i> notice of amendments.

The Board requests public comment on the proposed incorporation of the federal February 1, 2005 correction.

### **Discussion of Miscellaneous Housekeeping Amendments**

The table below lists corrections and amendments that are not based on current federal amendments. The table (beginning immediately below) includes corrections and clarifications that the Board made in the base text involved in this proposal.

**Table:  
Board Housekeeping Amendments**

Section	Source	Revision(s)
307.4900(a)	Board	Added the incorporation of 40 C.F.R. 439.0 by reference, including the necessary limiting language.
307.4900(c)	Board	Updated the citation to the <i>Code of Federal Regulations</i> to the most recent edition
307.4900(d)	Board	Updated the citation to the <i>Code of Federal Regulations</i> to the most recent edition
307.4900(e)	Board	Updated the citation to the <i>Code of Federal Regulations</i> to the most recent edition
307.4902(b)	Board	Updated the citation to the <i>Code of Federal Regulations</i> to the most recent edition
307.4903(c)(1)	Board	Updated the citation to the <i>Code of Federal Regulations</i> to the most recent edition
307.4903(d)(1)	Board	Updated the citation to the <i>Code of Federal Regulations</i> to the most recent edition
307.5201(c)(1)	Board	Updated the citation to the <i>Code of Federal Regulations</i> to the most recent edition

### ORDER

The Board proposes the following amendments for public comment:

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

**SUBPART B: GENERAL AND SPECIFIC PRETREATMENT  
REQUIREMENTS**

<b>Section</b>	
307.1101	General and Specific Requirements
307.1102	Mercury
307.1103	Cyanide

**SUBPART F: DAIRY PRODUCTS PROCESSING**

<b>Section</b>	
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**

<b>Section</b>	
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**

<b>Section</b>	
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
307.3013	Other Operations

#### SUBPART V: NONFERROUS METALS MANUFACTURING

Section	
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

Section	
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)
307.4019	Nonintegrated-Tissue Papers (Repealed)
307.4020	Tissue From Wastepaper (Repealed)

307.4021	Papergrade Sulfite (Drum Wash) (Repealed)
307.4022	Unbleached Kraft and Semi-Chemical (Repealed)
307.4023	Wastepaper-Molded Products (Repealed)
307.4024	Nonintegrated-Lightweight Papers (Repealed)
307.4025	Nonintegrated-Filter and Nonwoven Papers (Repealed)
307.4026	Nonintegrated-Paperboard (Repealed)

#### SUBPART BF: BUILDERS' PAPER AND BOARD MILLS

##### Section

307.4101	Builder's Paper and Roofing Felt (Repealed)
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#### SUBPART BG: MEAT PRODUCTS

##### Section

307.4201	Simple Slaughterhouse
307.4202	Complex Slaughterhouse
307.4203	Low-Processing Packinghouse
307.4204	High-Processing Packinghouse
307.4205	Small Processor
307.4206	Meat Cutter
307.4207	Sausage and Luncheon Meats Processor
307.4208	Ham Processor
307.4209	Canned Meats Processor
307.4210	Renderer

#### SUBPART BH: METAL FINISHING

##### Section

307.4300	General Provisions
307.4301	Metal Finishing

#### SUBPART BL: CENTRALIZED WASTE TREATMENT

##### Section

307.4700	General Provisions
307.4701	Metals Treatment and Recovery
307.4702	Oils Treatment and Recovery
307.4703	Organics Treatment and Recovery
307.4704	Multiple Waste Streams

#### SUBPART BN: PHARMACEUTICAL MANUFACTURING

##### Section

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  
 307.7706 Drawing With Emulsions or Soaps

#### SUBPART CQ: COPPER FORMING

Section  
 307.7800 General Provisions  
 307.7801 Copper Forming  
 307.7802 Beryllium Copper Forming

#### SUBPART CR: ELECTRICAL AND ELECTRONIC COMPONENTS

Section  
 307.7901 Semiconductor  
 307.7902 Electronic Crystals  
 307.7903 Cathode Ray Tube  
 307.7904 Luminescent Materials

#### SUBPART CT: NONFERROUS METALS FORMING AND METAL POWDERS

Section  
 307.8100 General Provisions  
 307.8101 Lead-Tin-Bismuth Forming  
 307.8102 Magnesium Forming  
 307.8103 Nickel-Cobalt Forming  
 307.8104 Precious Metals Forming  
 307.8105 Refractory Metals Forming  
 307.8106 Titanium Forming  
 307.8107 Uranium Forming  
 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, at 1 PCB 426, March 31, 1971; amended in R71-14, at 4 PCB 3, March 7, 1972; amended in R74-3, at 19 PCB 182, October 30, 1975; amended in R74-15, 16, at 31 PCB 405, at 2 Ill. Reg. 44, p. 151, effective November 2, 1978; amended in R76-17, at 31 PCB 713, at 2 Ill. Reg. 45, p. 101, effective November 5, 1978; amended in R76-21, at 44 PCB 203, at 6 Ill. Reg. 563, effective December 24, 1981; codified at 6 Ill. Reg. 7818; amended in R82-5, 10, at 54 PCB 411, 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. \_\_\_\_\_, effective \_\_\_\_\_.

#### SUBPART BD: TIMBER PRODUCTS PROCESSING

##### Section 307.3900 General Provisions

- a) Applicability. This Subpart BD applies to any timber products processing operation, and any plant producing insulation board with wood as the major raw material, which introduces or may introduce process wastewater pollutants into a POTW.
- b) General definitions. The Board incorporates by reference 40 CFR 429.11-(2003) (2004), as amended at 69 Fed. Reg. 45944, 46045 (July 30, 2004). This incorporation includes no later amendments or editions.

(Source: Amended at 29 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

#### SUBPART BN: PHARMACEUTICAL MANUFACTURING

##### Section 307.4900 General Provisions

- a) Applicability. This Subpart BN applies to any pharmaceutical manufacturing facility that introduces or may introduce process wastewater pollutants into a POTW. The Board incorporates by reference 40 CFR 439.0 (2004). This incorporation includes no later amendments or editions.

- b) General definitions. The Board incorporates by reference 40 CFR 439.1-~~(2003)~~ (2004). This incorporation includes no later amendments or editions.
- c) Monitoring requirements. The Board incorporates by reference 40 CFR 439.2 and Appendix A-~~(2003)~~ (2004). This incorporation includes no later amendments or editions.
- d) General pretreatment standards. The Board incorporates by reference 40 CFR 439.3-~~(2003)~~ (2004). This incorporation includes no later amendments or editions.
- e) General limitation or standard for pH. The Board incorporates by reference 40 CFR 439.4-~~(2003)~~ (2004). This incorporation includes no later amendments or editions.

(Source: Amended at 29 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

#### Section 307.4902      Extraction Products

- a) Applicability. This Section applies to discharges resulting from the manufacture of pharmaceuticals by extraction.
- b) Specialized definitions. The Board incorporates by reference 40 CFR 439.21 ~~(2003)~~ (2004). This incorporation includes no later amendments or editions.
- c) Existing sources.
  - 1) The Board incorporates by reference 40 CFR 439.26-~~(2003)~~ (2004). This incorporation includes no later amendments or editions.
  - 2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) of this Section may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of such standards.
- d) New sources.
  - 1) The Board incorporates by reference 40 CFR 439.27-~~(2003)~~ (2004). This incorporation includes no later amendments or editions.
  - 2) No person subject to the pretreatment standards incorporated by reference in subsection (d)(1) of this Section may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of such standards.
  - 3) “New source” means any building, structure, facility, or installation the construction of which commenced after November 26, 1982.

(Source: Amended at 29 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

Section 307.4903 Chemical Synthesis Products

- a) Applicability. This Section applies to discharges resulting from the manufacture of pharmaceuticals by chemical synthesis.
- b) Specialized definitions. The Board incorporates by reference 40 CFR 439.31 ~~(2003)~~ (2004). This incorporation includes no later amendments or editions.
- c) Existing sources.
  - 1) The Board incorporates by reference 40 CFR 439.36 ~~(2003)~~ (2004). This incorporation includes no later amendments or editions.
  - 2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) of this Section may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of such standards.
- d) New sources.
  - 1) The Board incorporates by reference 40 CFR 439.37 ~~(2003)~~ (2004). This incorporation includes no later amendments or editions.
  - 2) No person subject to the pretreatment standards incorporated by reference in subsection (d)(1) of this Section may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of such standards.
  - 3) “New source” means any building, structure, facility, or installation the construction of which commenced after November 26, 1982.

(Source: Amended at 29 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

SUBPART BQ: TRANSPORTATION EQUIPMENT CLEANING

Section 307.5201 Tank Trucks and Intermodal Tank Containers Transporting Chemical and Petroleum Cargos

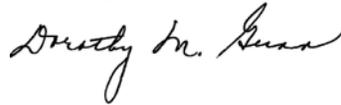
- a) Applicability. This Section applies to discharges resulting from the cleaning of tank trucks and intermodal tank containers that have been used to transport chemical or petroleum cargos.
- b) Specialized definitions. None.
- c) Existing sources.

- 1) The Board incorporates by reference 40 CFR 442.15-~~(2003)~~ (2004). This incorporation includes no later amendments or editions.
  - 2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) of this Section may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of such standards.
- d) New sources.
- 1) The Board incorporates by reference 40 CFR 442.16-~~(2003)~~ (2004), as amended at 70 Fed. Reg. 5058 (Feb. 1, 2005). This incorporation includes no later amendments or editions.
  - 2) No person subject to the pretreatment standards incorporated by reference in subsection (d)(1) of this Section may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of such standards.

(Source: Amended at 29 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

IT IS SO ORDERED.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, certify that the Board adopted the above opinion and order on February 3, 2005, by a vote of 4-0.



Dorothy M. Gunn, Clerk  
Illinois Pollution Control Board