

ILLINOIS POLLUTION CONTROL BOARD  
May 18, 1995

IN THE MATTER OF:                    )  
  )       R94-10  
PRETREATMENT UPDATE                )       (Identical in Substance Rules-  
(7/1/93 - 12/31/93)                 )       Water)

Adopted Rule.                    Final Order.

OPINION AND ORDER OF THE BOARD (by E. Dunham):

The Board is amending the pretreatment regulations pursuant to Section 13.3 of the Environmental Protection Act (Act) (415 ILCS 5/13.3 (1992)).

Section 13.3 of the Act requires the Board to adopt regulations which are "identical in substance" with federal regulations promulgated by the United States Environmental Protection Agency (U.S. EPA) to implement the pretreatment requirements of Sections 307 and 402 of the Clean Water Act, previously known as the Federal Water Pollution Control Act. Section 13.3 provides that Title VII of the Act and Sections 5 and 6.02 of the Administrative Procedure Act (APA) shall not apply to identical in substance regulations adopted to establish the pretreatment program. However, Section 13.3 of the Act does require the Board to provide for notice and public comment before rules are filed with the Secretary of State.

This rulemaking updates the pretreatment rules to cover U.S. EPA rules adopted from July 1 through December 31, 1993. The following Federal Registers are included:

58 Fed. Reg. 36872	July 9, 1993
58 Fed. Reg. 45008	August 25, 1993
58 Fed. Reg. 48424	September 15, 1993
58 Fed. Reg. 50638	September 28, 1993

The pretreatment rules govern discharges by industrial users to publicly owned treatment works (POTWs). The rules are intended to prevent pollutants from industrial discharges from passing through POTWs, without adequate treatment, to waters of the State, and to prevent industrial discharges from interfering with the operation of the treatment plant. Effluent discharges are regulated pursuant to 35 Ill. Adm. Code 304 and 309.

The Illinois pretreatment rules are contained in 35 Ill. Adm. Code 307, 309 and 310. Part 307 includes the categorical pretreatment standards, which are incorporated by reference from the U.S. EPA rules. Part 309 sets forth the NPDES requirements. Although Part 309 does not pertain directly to sewer users and industrial wastewater pretreatment, it includes requirements at Section 309.103 that pertain to NPDES permittees required to have an approved pretreatment program. Part 310 specifies how a POTW

sets up a pretreatment program, and how industrial users get pretreatment permits or authorizations to discharge.

HISTORICAL OUTLINE OF BOARD PRETREATMENT REGULATION

The Illinois pretreatment rules were adopted in R86-44, 84 PCB 89, December 3, 1987. The rules appeared at 12 Ill. Reg. 2502 (January 29, 1988), effective January 13, 1988.

The Board has updated the pretreatment rules in the following update rulemakings:

- R88-11      90 PCB 411, June 14, 1988; 12 Ill. Reg. 13094, effective July 29, 1988 (U.S. EPA amendments through December 31, 1987).
- R88-18      94 PCB 237, December 17, 1988; 13 Ill. Reg. 1794, effective January 31, 1989 (U.S. EPA amendments January 1, 1988 through June 30, 1988).
- R89-3        103 PCB 609, September 28, 1989; 13 Ill. Reg. 19243, effective November 17, 1989 (Part 307) and November 27, 1989 (Part 310) (U.S. EPA amendments July 1, 1988 through December 31, 1988).
- R89-12      110 PCB 119, April 12, 1990; 14 Ill. Reg. 7608, effective May 8, 1990 (U.S. EPA amendments January 1, 1989 through June 30, 1989).
- R90-6        Dismissed, 109 PCB 629, March 22, 1990 (No U.S. EPA amendments July 1, 1989 through December 31, 1989).
- R90-15      Dismissed, June 20, 1991 (No U.S. EPA amendments January 1 1990 through June 28, 1990).
- R91-5        129 PCB 395, January 23, 1992; 16 Ill. Reg. 7377 (Part 307); 7337 (Part 309); 7346 (Part 310); effective April 27, 1992. (U.S. EPA amendments June 29, 1990 through December 31, 1990).
- R91-17      Dismissed, December 6, 1991 (No U.S. EPA amendments January 1, 1991 through June 30, 1991).
- R92-5        Dismissed, April 9, 1992 (No U.S. EPA amendments July 1, 1991 through December 31, 1991).
- R92-14      Dismissed, August 13, 1992 (No U.S. EPA amendments January 1, 1992 through June 30, 1992).
- R93-2        \_\_\_\_\_ PCB \_\_\_\_\_ September 9, 1993, 17 Ill. Reg. 19483 effective October 29, 1993 (U.S. EPA amendments

- July 1, 1992 through December 31, 1992).
- R93-20 Dismissed April 9, 1992 (No U.S. EPA amendments January 1, 1993 through June 30, 1993).
- R94-10 This docket.
- R94-28 Dismissed October 6, 1994 (No U.S. EPA amendments January 1, 1994 through June 30, 1994).
- R95-8 Dismissed February 16, 1994 (No U.S. EPA amendments July 1, 1994 through December 31, 1994).

#### PUBLIC COMMENTS

The notice of proposed amendments for this rulemaking appeared in the Illinois Register on March 10, 1995 at 19 Ill. Reg. 2612. The publication in the Illinois Register opened a 45 day public comment period. Public comments in this matter were to be filed with the Board by April 24, 1995.

Two public comments were received by the Board during the public comment period. A public comment was received from the Index Department of the Administrative Code Division of the Office of the Secretary of State. This comment stated that the proposed amendments complied with the codification requirements. The Illinois Environmental Protection Agency filed a public comment in support of adoption of the proposed regulations. The Agency stated that adoption of the regulations is necessary for the completeness of the state regulatory program.

The Board will adopt the amendments as proposed for public comment updating references to the CFR to the 1994 edition. The Board will delay filing any adopted rules with the Secretary of State for 30 days after adoption, particularly to allow U.S. EPA review. The complete text of the adopted amendments follows the discussion of the amendments.

#### DISCUSSION

##### SUBPART O: ORGANIC CHEMICALS, PLASTICS AND SYNTHETIC FIBERS

On June 29, 1990 at 55 Fed. Reg. 26692, U.S. EPA amended a number of sections in 40 CFR 414 (the Organic Chemicals, Plastics and Synthetic Fibers Category) in response to a federal judicial remand in Chemical Manufacturers Association v. EPA, 870 F.2d 177 (5th Cir. 1989). U.S. EPA withdrew the limitations subject to the remand. The Board similarly withdrew these limitations in R91-5, on January 23, 1995. On July 9, 1993, at 58 Fed. Reg. 36872 the U.S. EPA reinstated these limitations. Today's proposal adds these pollutants to the regulations. 11 of the 13

pollutants previously withdrawn were added to 40 CFR 414.25, 414.35, 414.45, 414.55, 414.65, 414.75, and 414.85. The 11 pollutants added are acenaphthene, fluoranthene, naphthalene, bis-(2-ethyl-hexyl)phthalate, di-N-butylphthalate, diethylphthalate, dimethyl-phthalate, anthracene, fluorene, phenanthrene, and pyrene. Two pollutants, 2,4-dimethylphenol and phenol, were not included because it was determined that these pollutants do not pass through POTWs.

19 pollutants were returned to the table in 40 CFR 414.101. The 19 pollutants added to the table are acenaphthene, 2,4-dimethylphenol, fluoranthene, naphthalene, phenol, bis-(2-ethyl-hexyl)phthalate, di-N-butylphthalate, diethylphthalate, dimethyl-phthalate, benzo(a)anthracene, benzo(a)pyrene, 3,4-benzofluoranthrene, benzo(k)fluoranthene, chrysene, anthracene, fluorene, phenanthrene, and pyrene.

A new section on indirect discharge point sources is added as Section 307.2410. This Section incorporates by reference 40 CFR 414.111 as added at 58 Fed. Reg. 36872 (July 9, 1993).

35 Ill. Adm. Code 307.2401 derives from 40 CFR 414.25. 35 Ill. Adm. Code 307.2402 derives from 40 CFR 414.35. 35 Ill. Adm. Code 307.2403 derives from 40 CFR 414.45. 35 Ill. Adm. Code 307.2404 derives from 40 CFR 414.55. 35 Ill. Adm. Code 307.2405 derives from 40 CFR 414.65. 35 Ill. Adm. Code 307.2406 derives from 40 CFR 414.75. 35 Ill. Adm. Code 307.2407 derives from 40 CFR 414.85. 35 Ill. Adm. Code 307.2490 derives from 40 CFR 414, App. A. 35 Ill. Adm. Code 307.2491 derives from 40 CFR 414 App. B. Each of these provisions incorporates the corresponding federal limitations by reference.

For this reason, the Board proposes updating the incorporations by reference at the appropriate places to include the revisions as amended by the U.S. EPA. This means the Board updates the references at 35 Ill. Adm. Code 307.2401(c)(1) and (d)(1), 307.2402(c)(1) and (d)(1), 307.2403(c)(1) and (d)(1), 307.2404(c)(1) and (d)(1), 307.2405(c)(1) and (d)(1), 307.2406(c)(1) and (d)(1), 307.2407(c)(1) and (d)(1), and 307.2490. The Board updates these sections by referencing the 1994 edition of the CFR and the amendments in the federal register.

#### DISCHARGE OF DREDGE MATERIALS

U.S. EPA and the Department of Army (Corps of Engineers) jointly promulgated regulations relating to the discharge of dredged material. (58 Fed. Reg. 45008, August 25, 1993.) These regulations change the definition of "navigable waters of the United States" to exclude prior converted farmland. U.S. EPA and Department of Army corrected the effective date of the August 25, 1993 dredge discharge regulations. (58 Fed. Reg. 48424, September

15, 1993)

These amendments do not effect the Board's regulations on pretreatment. Therefore, no action is required by the Board in response to the amendments on discharge of dredge materials.

SUBPART CD: PESTICIDE CHEMICALS

U.S. EPA established effluent and discharge standards for manufacturers of organic and organo-metallic pesticides in the Pesticide Chemicals Category under the authority of the Clean Water Act. (58 Fed. Reg. 50638, September 28, 1993.) The Board's pretreatment regulations for pesticide chemicals are found in Subpart CD of Part 307 (307.6500 through 6503). 35 Ill. Adm Code 307.6500 derives from 40 CFR 455.10. 35 Ill. Adm Code 307.6501 derives from 40 CFR 455.20. 35 Ill. Adm Code 307.6502 derives from 40 CFR 455.31.

These standards are designed to prevent the discharge of pollutants that pass through, interfere with or are otherwise incompatible with the operation of POTWs. Pretreatment standards are to be technology based and analogous to the Best Available Technology effluent limitation guidelines for removal of toxic pollutants. The Board incorporates 40 CFR 455.26 and 40 CFR 455.27 as adopted at 58 Fed. Reg. 50690 (September 28, 1993) in Section 307.6501.

ORDER

The Board hereby proposes the following amendments to the Illinois wastewater treatment regulations at Sections 307.2400, 307.2401, 307.2402, 307.2403, 307.2404, 307.2405, 307.2406, 307.2407, 307.2410, 307.2490, 307.6500, 307.6501, 307.6502 and 307.6503.

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

## 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: FEEDLOTS

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 Wastestreams
- 307.2491 Complexed Metal-bearing Wastestreams

## 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

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 Booth(s) or Without Laundry Facilities
- 307.3916 Wood Furniture and Fixture Production with Water Wash Spray Booth(s) or With Laundry Facilities

## SUBPART BE: PULP, PAPER AND PAPERBOARD

## Section

- 307.4000 General Provisions
- 307.4001 Unbleached Kraft
- 307.4002 Semi-Chemical
- 307.4004 Unbleached Kraft-Neutral Sulfite Semi-Chemical (Cross Recovery)
- 307.4005 Paperboard From Wastepaper
- 307.4006 Dissolving Kraft
- 307.4007 Market Bleached Kraft
- 307.4008 BCT Bleached Kraft

307.4009 Fine Bleached Kraft  
 307.4010 Papergrade Sulfite (Blow Pit Wash)  
 307.4011 Dissolving Sulfite Pulp  
 307.4012 Groundwood-Chemi-Mechanical  
 307.4013 Groundwood-Thermo-Mechanical  
 307.4014 Groundwood-CMN Papers  
 307.4015 Groundwood-Fine Papers  
 307.4016 Soda  
 307.4017 Deink  
 307.4018 Nonintegrated-Fine Papers  
 307.4019 Nonintegrated-Tissue Papers  
 307.4020 Tissue From Wastepaper  
 307.4021 Papergrade Sulfite (Drum Wash)  
 307.4022 Unbleached Kraft and Semi-Chemical  
 307.4023 Wastepaper-Molded Products  
 307.4024 Nonintegrated-Lightweight Papers  
 307.4025 Nonintegrated-Filter and Nonwoven Papers  
 307.4026 Nonintegrated-Paperboard

SUBPART BF: BUILDERS' PAPER AND BOARD MILLS

Section

307.4101 Builder's Paper and Roofing Felt

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 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

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 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

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

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## 307.Appendix A References to Previous Rules (Repealed)

**AUTHORITY:** Implementing Sections 13 and 13.3 and authorized by Section 27 of the Environmental Protection Act (~~Ill. Rev. Stat. 1991, ch. 111 $\frac{1}{2}$ , pars. 1013, 1013.3 and 1027~~)[415 ILCS 5/13, 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 \_\_\_\_\_ Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

## SUBPART O: ORGANIC CHEMICALS, PLASTICS AND SYNTHETIC FIBERS

## Section 307.2400 General Provisions

- a) General definitions. The Board incorporates by reference 40 CFR 414.10 (~~1992~~)(1994). This incorporation includes no later amendments or editions.
- b) Applicability.
  - 1) This Subpart applies to process wastewater discharges from all establishments or portions of establishments which manufacture the organic chemicals, plastics and synthetic fibers (OCPSF) products or product groups which are covered by Sections 307.2402 through 307.2408 and which are included in the following SIC major groups, as defined in the Standard Industrial Classification Manual, incorporated by reference in 35 Ill. Adm. Code 310.107:
    - A) SIC 2821 -- Plastic materials, synthetic resins and nonvulcanizable elastomers.
    - B) SIC 2823 -- Cellulosic man-made fibers.



- C) SIC 2824 -- Synthetic organic fibers, except cellulosic.
  - D) SIC 2865 -- Cyclic crudes and intermediates, dyes and organic pigments.
  - E) SIC 2869 -- Industrial organic chemicals, not elsewhere classified.
- 2) This Subpart applies to wastewater discharges from OCPSF research and development, pilot plant, technical service and laboratory bench scale operations if such operations are conducted in conjunction with and related to existing OCPSF manufacturing activities at the plant site.
- 3) Notwithstanding subsection (b)(1) above, this Subpart does not apply to discharges resulting from the manufacture of OCPSF products if the products are included in the following SIC subgroups and if the products have in the past been reported by the establishment under these subgroups and not under the SIC groups listed in subsection (b)(1) above:
- A) SIC 2843085 -- Bulk surface active agents.
  - B) SIC 28914 -- Synthetic resin and rubber adhesives<sub>+</sub>.
  - C) Chemicals and chemical preparations not elsewhere classified:
    - i) SIC 2899568 -- Sizes, all types.
    - ii) SIC 2899597 -- Other industrial chemical specialties, including fluxes, plastic wood preparations and embalming fluids.
  - D) SIC 2911058 -- Aromatic hydrocarbons manufactured from purchased refinery products.
  - E) SIC 2911632 -- Aliphatic hydrocarbons manufactured from purchased refinery products.
- 4) Notwithstanding subsection (b)(1) above, this Subpart does not apply to any discharges for which a different set of previously promulgated standards in this Part apply, unless the facility reports OCPSF products under SIC codes 2865, 2869

or 2821, and the facility's OCPSF wastewaters are discharged separately to a POTW.

- 5) This Subpart does not apply to any process wastewater discharge from the manufacture of organic chemical compounds solely by extraction from plant and animal raw materials or by fermentation processes.
- 6) Discharges of chromium, copper, lead, nickel and zinc in "complexed metal-bearing wastestreams", listed in Section 307.2491, are not subject to this Subpart.
- 7) Non-amenable cyanide.
  - A) Discharges of cyanide in "cyanide-bearing waste streams", listed in Section 307.2490, are not subject to the cyanide limitations of this Subpart if
    - i) the control authority determines that the cyanide limitations are not achievable due to elevated levels of non-amenable cyanide (i.e., cyanide that is not oxidized by chlorine treatment) that result from the unavoidable complexing of cyanide at the process source of the cyanide-bearing waste stream, and
    - ii) the control authority establishes an alternative total cyanide or amenable cyanide limitation that reflects the best available technology economically achievable.
  - B) The control authority shall base its determination made pursuant to subsection (b)(7)(A) above on a review of the relevant engineering, production, and sampling and analytical information at its disposal, including measurements of both total and amenable cyanide in the waste stream.
  - C) The control authority shall set forth its determination made pursuant to subsection (b)(7)(A) above in a written analysis of the extent of complexing in the waste stream and its impact on cyanide treatability, based on the information at its disposal.

- D) Alternative cyanide discharge limitation determinations made pursuant to this subsection are subject to the limitations of Section 307.1103. Provided, however, Section 307.1103 shall not be used to allow a discharge of total cyanide in excess of that otherwise allowed by this subsection.
- 8) Allowances for non-metal-bearing waste streams.
- A) The control authority shall establish discharge limitations for lead and zinc for waste streams not listed in Section 307.2490 and not otherwise determined to be "metal-bearing waste streams" if it determines that the wastewater metals contamination is due to background levels that are not reasonably avoidable, from such sources as intake water, corrosion of materials of construction, or contamination of raw materials.
  - B) The control authority shall base its determination made pursuant to subsection (b)(8)(A) on a review of relevant plant operating conditions, process chemistry, engineering, and sampling and analytical information.
  - C) The control authority shall set forth its determination made pursuant to subsection (b)(8)(A) above in a written analysis of the sources and levels of the metals, based on the information at its disposal.
  - D) The control authority may establish limitations for lead and zinc for non-"metal-bearing waste streams" for the purposes of subsection (b)(8)(A) above between the following levels:
    - i) the lowest level that the control authority determines, based on best professional judgement, can be reliably measured and
    - ii) the concentration of such metals present in the wastestreams, but not to exceed the applicable limitations contained in Sections 307.2401 through 307.2407.
    - iii) For zinc, the applicable limitations that the discharge must not exceed are

those appearing in the tables in Sections 307.2401 through 307.2407, not the alternative limitations for rayon fiber manufacture by the viscose process, as set forth in footnote 2 to the table in 40 CFR 414.25, incorporated by reference at Section 307.2401(c)(1), or the alternative limitations for acrylic fiber manufacture by the zinc chloride/solvent process, as set forth in footnote 2 to the table in 40 CFR 414.35, incorporated by reference at Section 307.2402(c)(1).†

- E) The limitations for individual dischargers shall be set on a mass basis, by multiplying the concentration allowance established by the control authority times the process wastewater flow from the individual wastestreams in which incidental metals are present.
- c) Compliance date. All dischargers subject to a pretreatment standard for existing sources in this Subpart must comply with the standard by no later than November 5, 1990.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

Section 307.2401 Rayon Fibers

- a) Applicability. This Section applies to discharges of process wastewater resulting from the manufacture of rayon fiber by the viscose process only.
- b) Specialized definitions. None.
- c) Existing sources:
- 1) The Board incorporates by reference 40 CFR 414.25 ~~(1991)~~(1994). This incorporation includes no later amendments or editions.
  - 2) No person subject to the pretreatment standards incorporated by reference in subsection (1) shall 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 414.26 ~~(1991)~~(1994). This incorporation includes no later amendments or editions.
- 2) No person subject to the pretreatment standards incorporated by reference in subsection (1) shall 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 March 21, 1983.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_ , effective \_\_\_\_\_ )

Section 307.2402 Other Fibers

- a) Applicability. This Section applies to discharges of process wastewater resulting from the manufacture of the products classified under SIC 2823, cellulosic man-made fibers and fiber groups, except rayon, and under SIC 2824, synthetic organic fibers and fiber groups, listed below. Product groups are indicated with an asterisk (\*).

- \*Acrylic fibers (85% Polyacrylonitrile)
- \*Cellulose acetate fibers
- \*Fluorocarbon (Teflon) fibers
- \*Modacrylic fibers
- \*Nylon 6 fibers
- Nylon 6 monofilament
- \*Nylon 66 fibers
- Nylon 66 monofilament
- \*Polyamide fibers (Quiana)
- \*Polyaramid (Kevlar) resin fibers
- \*Polyaramid (Nomex) resin fibers
- \*Polyester fibers
- \*Polyethylene fibers
- \*Polypropylene fibers
- \*Polyurethane fibers (Spandex)

- b) Specialized definitions. None.
- c) Existing sources:
  - 1) The Board incorporates by reference 40 CFR 414.35 ~~(1992)~~(1994). This incorporation includes no later amendments or editions.
  - 2) No person subject to the pretreatment standards

incorporated by reference in subsection (c)(1) above shall 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 414.36 ~~(1992)~~(1994). This incorporation includes no later amendments or editions.
- 2) No person subject to the pretreatment standards incorporated by reference in subsection (d)(1) above shall 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 March 21, 1983.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_ , effective \_\_\_\_\_ )

Section 307.2403 Thermoplastic Resins

- a) Applicability. This Section applies to discharges of process wastewater resulting from the manufacture of the ~~the~~ products classified under SIC 28213, thermoplastic resins and thermoplastic resin groups, listed below. Product groups are indicated with an asterisk (\*).

- \*Abietic acid -- Derivatives
- \*ABS resins
- \*ABS-SAN resins
- \*Acrylate-methacrylate latexes
- \*Acrylic latex
- \*Acrylic resins
- \*Cellulose acetate butyrates
- Cellulose acetate resin
- \*Cellulose acetates
- \*Cellulose acetates priopionates
- Cellulose nitrate
- \*Ethylene-methacrylic acid copolymers
- \*Ethylene-vinyl acetate copolymers
- \*Fatty acid resins
- \*Fluorocarbon polymers
- Nylon 11 resin
- \*Nylon 6-66 copolymers
- \*Nylon 6 -- Nylon 11 blends
- Nylon 6 resin

Nylon 612 resin  
Nylon 66 resin  
\*Nylons  
\*Petroleum hydrocarbon resins  
\*Polyvinyl pyrrolidone -- copolymers  
\*Poly(alpha)olefins  
Polyacrylic acid  
\*Polyamides  
\*Polyarylamides  
Polybutadiene  
\*Polybutenes  
Polybutyl succinic anhydride  
\*Polycarbonates  
\*Polyester resins  
\*Polyester resins, Polybutylene terephthalate  
\*Polyester resins, Polyoxybenzoate  
Polyethylene  
\*Polyethylene -- ethyl acrylate resins  
\*Polyethylene -- polyvinylacetate copolymers  
Polyethylene resin (HDPE)  
Polyethylene resin (LDPE)  
Polyethylene resin, scrap  
Polyethylene resin, wax (low molecular weight)  
Polyethylene resin, latex  
Polyethylene resins  
\*Polyethylene resins, compounded  
\*Polyethylene, chlorinated  
\*Polyimides  
\*Polypropylene resins  
Polystyrene (crystal)  
Polystyrene (crystal) modified  
\*Polystyrene -- copolymers  
\*Polystyrene -- acrylic latexes  
Polystyrene impact resins  
Polystyrene latex  
Polystyrene, expandable  
Polystyrene, expanded  
\*Polysulfone resins  
Polyvinyl acetate  
\*Polyvinyl acetate -- PVC copolymers  
\*Polyvinyl acetate copolymers  
\*Polyvinyl acetate resins  
Polyvinyl alcohol resin  
Polyvinyl chloride  
Polyvinyl chloride, chlorinated  
\*Polyvinyl ether -- maleic anhydride  
\*Polyvinyl formal resins  
\*Polyvinylacetate -- methacrylic copolymers  
\*Polyvinylacetate acrylic copolymers  
\*Polyvinylacetate -- 2-ethylhexylacrylate  
copolymers  
Polyvinylidene chloride

- \*Polyvinylidene chloride copolymers
- \*Polyvinylidene -- vinyl chloride resins
- \*PVC copolymers, acrylates (Latex)
- \*PVC copolymers, ethylene -- vinyl chloride
- \*Rosin derivative resins
- \*Rosin modified resins
- \*Rosin resins
- \*SAN resins
- \*Silicones: Silicone resin
- \*Silicones: Silicone rubbers
- \*Styrene -- maleic anhydride resins
- Styrene polymeric residue
- \*Styrene -- acrylic copolymer resins
- \*Styrene --acrylonitrile --acrylates copolymers
- \*Styrene -- butadiene resins
- \*Styrene -- butadiene resins (less than 50% butadiene)
- \*Styrene -- butadiene resins (Latex)
- \*Styrene -- divinyl benzene resins (ion exchange)
- \*Styrene -- methacrylate terpolymer resins
- \*Styrene -- methyl methacrylate copolymers
- \*Styrene, butadiene, vinyl toluene terpolymers
- \*Sulfonated styrene -- maleic anhydride resins
- \*Unsaturated polyester resins
- \*Vinyl toluene resins
- \*Vinyl toluene -- acrylate resins
- \*Vinyl toluene -- butadiene resins
- \*Vinyl toluene -- methacrylate resins
- \*Vinyl acetate -- n-butylacrylate copolymers

b) Specialized definitions. None.

c) Existing sources:

- 1) The Board incorporates by reference 40 CFR 414.45 ~~(1992)~~(1994). This incorporation includes no later amendments or editions.
- 2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) above shall 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 414.46 ~~(1992)~~(1994). This incorporation includes no later amendments or editions.
- 2) No person subject to the pretreatment standards incorporated by reference in subsection (d)(1)



above shall 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 March 21, 1983.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_ , effective \_\_\_\_\_ )

#### Section 307.2404 Thermosetting Resins

- a) Applicability. This Section applies to discharges of process wastewater resulting from the manufacture of the products classified under SIC 28214, thermosetting resins and thermosetting resin groups, listed below. Product groups are indicated with an asterisk (\*).
- \*Alkyd resins
  - Dicyanodiamide resin
  - \*Epoxy resins
  - \*Fumaric acid polyesters
  - \*Furan resins
  - Glyoxal -- urea formaldehyde textile resin
  - \*Ketone -- formaldehyde resins
  - \*Melamine resins
  - \*Phenolic resins
  - \*Polyacetal resins
  - \*Polyacrylamide
  - \*Polyurethane prepolymers
  - \*Polyurethane resins
  - \*Urea formaldehyde resins
  - \*Urea resins
- b) Specialized definitions. None.
- c) Existing sources:
- 1) The Board incorporates by reference 40 CFR 414.55 ~~(1992)~~(1994). This incorporation includes no later amendments or editions.
  - 2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) above shall 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 414.56

~~(1992)~~ (1994). This incorporation includes no later amendments or editions.

- 2) No person subject to the pretreatment standards incorporated by reference in subsection (d)(1) above shall 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 March 21, 1983.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_ , effective \_\_\_\_\_ )

Section 307.2405 Commodity Organic Chemicals

- a) Applicability. This Section applies to discharges of process wastewater resulting from the manufacture of the products classified under SIC 2865 or 2869, commodity organic chemicals and commodity organic chemical groups, listed below. Product groups are indicated with an asterisk (\*).

- 1) Aliphatic organic chemicals

Acetaldehyde  
 Acetic acid  
 Acetic anhydride  
 Acetone  
 Acrylonitrile  
 Adipic acid  
 \*Butylenes (Butenes)  
 Cyclohexane  
 Ethanol  
 Ethylene  
 Ethylene glycol  
 Ethylene oxide  
 Formaldehyde  
 Isopropanol  
 Methanol  
 Polyoxypropylene glycol  
 Propylene  
 Propylene oxide  
 Vinyl acetate  
 1,2-Dichloroethane  
 1,3-Butadiene

- 2) Aromatic organic chemicals

Benzene

Cumene  
 Dimethyl terephthalate  
 Ethylbenzene  
 m-Xylene (impure)  
 p-Xylene  
 Phenol  
 \*Pitch tar residues  
 Pyrolysis gasolines  
 Styrene  
 Terephthalic acid  
 Toluene  
 \*Xylenes, mixed  
 o-Xylene

3) Halogenated organic compounds

Vinyl chloride

b) Specialized definitions. None.

c) Existing sources:

- 1) The Board incorporates by reference 40 CFR 414.65 ~~(1992)~~(1994). This incorporation includes no later amendments or editions.
- 2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) above shall 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 414.66 ~~(1992)~~(1994). This incorporation includes no later amendments or editions.
- 2) No person subject to the pretreatment standards incorporated by reference in subsection (d)(1) above shall cause, threaten or allow the discharge of any contaminant to a POTW in violation of such standards.
- 3) For discharges of wastewater resulting from the manufacture of butadiene by any process which includes the oxidative dehydrogenation of butene, "new source" means any building, structure, facility or installation the construction of which commenced after December 17, 1973. For other sources, "new source" means any building, structure, facility or installation the

construction of which commenced after March 21, 1983.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

Section 307.2406 Bulk Organic Chemicals

- a) Applicability. This Section applies to discharges of process wastewater resulting from the manufacture of the following SIC 2865 or 2869 bulk organic chemicals and bulk organic chemical groups. Product groups are indicated with an asterisk (\*).

1) Aliphatic organic chemicals

- \*Acetic acid esters
- \*Acetic acid salts
- Acetone cyanohydrin
- Acetylene
- Acrylic acid
- \*Acrylic acid esters
- \*Alkoxy alkanols
- \*Alkylates
- \*alpha-olefins
- Butane (all forms)
- C-4 hydrocarbons (unsaturated)
- Calcium stearate
- Caprolactam
- Carboxymethyl cellulose
- Cellulose acetate butyrates
- \*Cellulose ethers
- Citric acid
- Cumene hydroperoxide
- Cyclohexanol
- Cyclohexanol, cyclohexanone (mixed)
- Cyclohexanone
- Cyclohexene
- \*C12 -- C18 primary alcohols (mixed)
- \*C5 concentrates
- \*C9 concentrates
- Decanol
- Diacetone alcohol
- \*Dicarboxylic acids -- salts
- Diethyl ether
- Diethylene glycol
- Diethylene glycol diethyl ether
- Diethylene glycol dimethyl ether
- Diethylene glycol monoethyl ether
- Diethylene glycol monomethyl ether
- \*Dimer acids
- Dioxane

Ethane  
Ethylene glycol monophenyl ether  
\*Ethoxylates, miscellaneous  
Ethylene glycol dimethyl ether  
Ethylene glycol monobutyl ether  
Ethylene glycol monoethyl ether  
Ethylene glycol monomethyl ether  
\*Fatty acids  
Glycerine (synthetic)  
Glyoxal  
Hexane  
\*Hexane and other C6 hydrocarbons  
Isobutanol  
Isobutylene  
Isobutyraldehyde  
Isophorone  
Isophthalic acid  
Isoprene  
Isopropyl acetate  
Ligninsulfonic acid, calcium salt  
Maleic anhydride  
Methacrylic acid  
\*Methacrylic acid esters  
Methane  
Methyl ethyl ketone  
Methyl methacrylate  
Methyl tert-butyl ether  
Methyl isobutyl ketone  
n-alkanes  
n-butyl alcohol  
n-butyl acetate  
n-butyraldehyde  
n-butyric acid  
n-butyric anhydride  
\*n-parafins  
n-propyl acetate  
n-propyl alcohol  
Nitrilotriacetic acid  
Nylon salt  
Oxalic acid  
\*Oxo aldehydes -- alcohols  
Pentaerythritol  
Pentane  
\*Pentenes  
\*Petroleum sulfonates  
Pine oil  
Polyoxybutylene glycol  
Polyoxyethylene glycol  
Propane  
Priopionaldehyde  
Propionic acid  
Propylene glycol

sec-butyl alcohol  
Sodium formate  
Sorbitol  
Stearic acid, calcium salt (wax)  
tert-butyl alcohol  
1-Butene  
1-Pentene  
1,4-Butanediol  
Isobutyl acetate  
2-Butene (cis and trans)  
2-Ethylhexanol  
2-Ethylbutyraldehyde  
2,2,4-Trimethyl-1,3-pentanediol

2) Amine and amide organic chemicals

2,4-Diaminotoluene  
\*Alkyl amines  
Aniline  
Caprolactam, aqueous concentrate  
Diethanolamine  
Diphenylamine  
\*Ethanolamines  
Ethylamine  
Ethylenediamine  
Ethylenediaminetetraacetic acid  
\*Fatty acids  
Hexamethylenediamine  
Isopropylamine  
m-Toluidine  
Melamine  
Melamine crystal  
\*Methylamines  
Methylene dianiline  
n-butylamine  
N,N-diethylaniline  
N,N-dimethylformamide  
\*Nitroanilines  
Polymeric methylene dianiline  
sec-butylamine  
tert-butylamine  
Toluenediamine (mixture)  
\*Toluidines  
o-Phenylenediamine  
1,4-Phenylenediamine dihydrochloride  
2,6-Dimethylaniline  
4-(N-Hydroxyethylethylamino)-2-hydroxyethyl  
aniline  
4,4'-Methylenebis(N,N'-dimethyl)aniline  
4,4'-Methylenedianiline

3) Aromatic organic chemicals

alpha-methylstyrene  
\*Alkyl benzenes  
\*Alkyl phenols  
\*Alkylbenzene sulfonic acids, salts  
Aminobenzoic acid (meta and para)  
Aspirin  
beta-naphthalene sulfonic acid  
Benzenedisulfonic acid  
Benzoic acid  
Bis(2-ethylhexyl)phthalate  
Bisphenol A  
BTX -- benzene, toluene, xylene (mixed)  
Butyl octyl phthalate  
Coal tar  
\*Coal tar products (miscellaneous)  
Creosote  
\*Cresols, mixed  
Cyanuric acid  
\*Cyclic aromatic sulfonates  
Dibutyl phthalate  
Diisobutyl phthalate  
Diisodecyl phthalate  
Diisooctyl phthalate  
Dimethyl phthalate  
Dinitrotoluene (mixed)  
Ditridecyl phthalate  
m-Cresol  
Metanilic acid  
Methylenediphenyldiisocyanate  
Naphthalene  
\*Naphthas, solvent  
Nitrobenzene  
Nitrotoluene  
Nonylphenol  
p-Cresol  
Phthalic acid  
Phthalic anhydride  
\*Tars -- pitches  
tert-butylphenol  
\*Toluenediisocyanates (mixture)  
Trimellitic acid  
o-cresol  
1-Tetralol, 1-tetralone mix  
2,4-Dinitrotoluene  
2,6-Dinitrotoluene

4) Halogenated organic chemicals

Allyl chloride  
Benzyl chloride  
Carbon tetrachloride  
\*Chlorinated paraffins, 35-44% chlorine

Chlorobenzene  
 \*Chlorobenzenes (mixed)  
 Chlorodifluoroethane  
 Chloroform  
 \*Chloromethanes  
 2-Chloro-5-methylphenol (6-Chloro-m-cresol)  
 \*Chlorophenols  
 Chloroprene  
 Cyanogen chloride  
 Cyanuric chloride  
 Dichloropropane  
 Epichlorohydrin  
 Ethyl chloride  
 \*Fluorocarbons (Freons)  
 Methyl chloride  
 Methylene chloride  
 Pentachlorophenol  
 Phosgene  
 Tetrachloroethylene  
 Trichloroethylene  
 Trichlorofluoromethane  
 Vinylidene chloride  
 1,1-Dichloroethane  
 1,1,1-Trichloroethane  
 2,4-Dichlorophenol

5) Other organic chemicals

Adiponitrile  
 Carbon disulfide  
 Dithiophosphates, sodium salt  
 Fatty nitriles  
 \*Organo-tin compounds  
 \*Phosphate esters  
 Tetraethyl lead  
 Tetramethyl lead  
 \*Urethane prepolymers  
 \*Waxes, emulsions -- dispersions

b) Specialized definitions. None.

c) Existing sources:

- 1) The Board incorporates by reference 40 CFR 414.75 ~~(1991)~~ (1994). This incorporation includes no later amendments or editions.
- 2) No person subject to the pretreatment standards incorporated by reference in subsection (1) shall 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 414.76 ~~(1991)~~(1994). This incorporation includes no later amendments or editions.
- 2) No person subject to the pretreatment standards incorporated by reference in subsection (1) shall 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 March 21, 1983.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_ , effective \_\_\_\_\_ )

## Section 307.2407 Specialty Organic Chemicals

- a) Applicability. This Section applies to discharges of process wastewater resulting from the manufacture of any SIC 2865 or 2869 organic chemicals and organic chemical groups which are not defined as commodity or bulk organic chemicals in Section 307.2405 or 307.2406.
- b) Specialized definitions. None.
- c) Existing sources:
  - 1) The Board incorporates by reference 40 CFR 414.85 ~~(1991)~~(1994). This incorporation includes no later amendments or editions.
  - 2) No person subject to the pretreatment standards incorporated by reference in subsection (1) shall 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 414.86 ~~(1991)~~(1994). This incorporation includes no later amendments or editions.
  - 2) No person subject to the pretreatment standards incorporated by reference in subsection (1) shall 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 March 21, 1983.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_ , effective \_\_\_\_\_ )

Section 307.2410 Indirect Discharge Point Sources

- a) Applicability. This Section applies to discharge of process wastewater resulting from the manufacture of the OCPSF products and product groups defined by 40 CFR 414.11 (1994) from any indirect discharge point source.
- b) Specialized definitions. None.
- c) Existing sources:
  - 1) The Board incorporates by reference 40 CFR 414.111 (1994). This incorporation includes no later amendments or editions.
  - 2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) shall cause, threaten or allow the discharge of any contaminant to a POTW in violation of such standards.
- d) New sources. All sources are treated as existing sources.

(Source: Added at 19 Ill. Reg. \_\_\_\_\_ , effective \_\_\_\_\_ )

Section 307.2490 Non-complexed Metal-bearing and Cyanide-bearing Wastestreams

The Board incorporates by reference 40 CFR 414, Appendix A (1994) (1992), as amended at 57 Fed. Reg. 41844 (Sept. 11, 1992). This incorporation includes no later amendments or editions.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_ , effective \_\_\_\_\_ )

Section 307.2491 Complexed Metal-bearing Wastestreams

The Board incorporates by reference 40 CFR 414, Appendix B (1994) (1992), as amended at 57 Fed. Reg. 41844 (Sept. 11, 1992). This incorporation includes no later amendments or editions.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_ , effective \_\_\_\_\_ )

SUBPART CD: PESTICIDE CHEMICALS

Section 307.6500 General Provisions

- a) General definitions. The Board incorporates by reference 40 CFR 455.10 ~~(1986)(1994)~~, as amended at 51 Fed. Reg. 44911, December 15, 1986. This incorporation includes no later amendments or editions.
- b) Compliance date. The Board incorporates by reference 40 CFR 455.11 (1994). This incorporation includes no later amendments or editions.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_ , effective \_\_\_\_\_ )

Section 307.6501 Organic Pesticide Chemicals Manufacturing

- a) Applicability.
  - 1) The Board incorporates by reference 40 CFR 455.20 ~~(1986)(1994)~~, as amended at 51 Fed. Reg. 44911, December 15, 1986. This incorporation includes no later amendments or editions.
  - 2) This Section applies to discharges resulting from any plant which manufactures organic pesticide chemicals, as defined in the materials incorporated by reference in subsection (a)(1).
- b) Specialized definitions. The Board incorporates by reference 40 CFR 455.21 ~~(1986)(1994)~~. This incorporation includes no later amendments or editions.
- c) Existing sources: ~~These sources shall comply with the general and specific pretreatment requirements of Subpart B.~~
  - 1) The Board incorporates by reference 40 CFR 455.26 (1994). This incorporation includes no later amendments or editions.
  - 2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) shall cause, threaten or allow the discharge of any contaminant to a POTW in violation of such standards.

d) ~~New sources: All sources are regulated as existing sources.~~

1) The Board incorporates by reference 40 CFR 455.27 (1994). This incorporation includes no later amendments or editions.

2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) shall cause, threaten or allow the discharge of any contaminant to a POTW in violation of such standards.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

Section 307.6502      Metallo-Organic Pesticides Chemicals  
Manufacturing

- a) Applicability. This Section applies to discharges resulting from the manufacture of metallo-organic active ingredients containing mercury, cadmium, arsenic or copper. The manufacture of the intermediates used to manufacture the active ingredients are excluded from this Section.
- b) Specialized definitions. The Board incorporates by reference 40 CFR 455.31-~~(1986)~~(1994). This incorporation includes no later amendments or editions.
- c) Existing sources: These sources shall comply with the general and specific pretreatment requirements of 307.Subpart B.
- d) New sources: All sources are regulated as existing sources.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

Section 307.6503      Pesticide Chemicals Formulating and Packaging

- a) Applicability. This Section applies to discharges resulting from all pesticide formulating and packaging operations.
- b) Specialized definitions. None.
- c) Existing sources: These sources shall comply with the general and specific pretreatment requirements of 307.Subpart B.

d) New sources: All sources are regulated as existing sources.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_ , effective \_\_\_\_\_ )

IT IS SO ORDERED.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, hereby certify that the above opinion and order was adopted on the 18<sup>th</sup> day of May, 1995, by a vote of 6-0.

Dorothy M. Gunn  
Dorothy M. Gunn, Clerk  
Illinois Pollution Control Board