ENHANCED CONTENT - TABLE OF CONTENTS

Title 40

PART 465 - COIL COATING POINT SOURCE CATEGORY

Authority: Secs. 301, 304 (b), (c), (e), and (g), 306 (b) and (c), 307 (b) and (c), and 501 of the Clean Water Act (the Federal Water Pollution Control Act Amendments of 1972, as amended by the Clean Water Act of 1977) (the "Act"); 33 U.S.C. 1311, 1314 (b), (c), (e), and (g), 1316 (b) and (c), 1317 (b) and (c), and 1361; 86 Stat. 816, Pub. L. 92-500; 91 Stat. 1567, Pub. L. 95-217.

Source: 47 FR 54244, Dec. 1, 1982, unless otherwise noted.

General Provisions

§ 465.01 Applicability.

This part applies to any coil coating facility or to any canmaking facility that discharges pollutants to waters of the United States or that introduces pollutants to a publicly owned treatment works.

[48 FR 52399, Nov. 17, 1983]

§ 465.02 General definitions.

In addition to the definitions set forth in 40 CFR part 401, the following definitions apply to this part:

(a) "Coil" means a strip of basis material rolled into a roll for handling.

(b) "Coil coating " means the process of converting basis material strip into coated stock. Usually cleaning, conversion coating, and painting are performed on the basis material. This regulation covers processes which perform any two or more of the three operations.

(c) "Basis material" means the coiled strip which is processed.

(d) "Area processed" means the area actually exposed to process solutions. Usually this includes both sides of the metal strip.

(e) "Steel basis material" means cold rolled steel, hot rolled steel, and chrome, nickel and tin coated steel which are processed in coil coating.

(f) "Galvanized basis material" means zinc coated steel, galvalum, brass and other copper base strip which is processed in coil coating.

(g) "Aluminum basis material" means aluminum, aluminum alloys and aluminum coated steels which are processed in coil coating.

(h) The term "can" means a container formed from sheet metal and consisting of a body and two ends or a body and a top.

(i) The term "canmaking" means the manufacturing process or processes used to manufacture a can from a basic metal.

(j) The term "Total Toxic Organics (TTO)" shall mean the sum of the mass of each of the following toxic organic compounds which are found at a concentration greater than 0.010 mg/1.

1,1,1-Trichloroethane

1,1-Dichloroethane

1,1,2,2-Tetrachloroethane

Bis (2-chloroethyl) ether

Chloroform

1,1-Dichloroethylene

Methylene chloride (dichloromethane)

Pentachlorophenol

Bis (2-ethylhexyl) phthalate

Butyl benzyl-phthalate

Di-N-butyl phthalate

Phenanthrene

Tetrachloroethylene

Toluene

[47 FR 54244, Dec. 1, 1982, as amended at 48 FR 52399, Nov. 17, 1983]

§ 465.03 Monitoring and reporting requirements.

The following special monitoring requirements apply to all facilities controlled by this regulation.

(a) Periodic analyses for cyanide are not required when both of the following conditions are met:

(1) The first wastewater sample taken in each calendar year has been analyzed and found to contain less than 0.07 mg/l cyanide

(2) The owner or operator of the coil coating facility certifies in writing to the POTW authority or permit issuing authority that cyanide is not used in the coil coating process.

(b) The “monthly average” regulatory values shall be the basis for the monthly average discharge limits in direct discharge permits and for pretreatment standards. Compliance with the monthly discharge limit is required regardless of the number of samples analyzed and averaged.

(c) The analytical method required for determination of petroleum hydrocarbons (non-polar material) is given under the listing for “oil and grease” at 40 CFR 136.3(a), Table IB and must be used after December 31, 2005.

(d) The owner or operator of any canmaking facility subject to the provisions of this regulation shall advise the permit issuing authority or POTW authority and the EPA Office of Water Regulations and Standards, Washington, DC 20460 whenever it has been decided that the plant will manufacture cans from an aluminum alloy containing less than 1.0 percent manganese. Such notification shall be made in writing, not less than 30 days in advance of the scheduled production and shall provide the chemical analysis of the alloy and the expected period of use.

(Approved by the Office of Management and Budget under control number 2040-0033)

[47 FR 54244, Dec. 1, 1982, as amended at 48 FR 52399, Nov. 17, 1983; 49 FR 14104, Apr. 10, 1984; 50 FR 4515, Jan. 31, 1985; 72 FR 11249, Mar. 12, 2007]

§ 465.04 Compliance date for PSES.

(a) For subparts A, B, and C the compliance date for Pretreatment Standards for Existing Source (PSES) is December 1, 1985.

(b) For subpart D, the compliance date for Pretreatment Standards for Existing Sources will be as soon as possible, but in no case later than November 17, 1986.

[48 FR 52399, Nov. 17, 1983]

Subpart A - Steel Basis Material Subcategory

§ 465.10 Applicability; description of the steel basis material subcategory.

This subpart applies to discharges to waters of the United States, and introductions of pollutants into publicly owned treatment works from coil coating of steel basis material coils.

§ 465.11 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available:

Subpart A

Pollutant or pollutant property	BPT effluent limitations			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	1.16	(0.24)	0.47	(0.096)
Cyanide	0.80	(0.17)	0.33	(0.068)
Zinc	3.66	(0.75)	1.54	(0.32)
Iron	3.39	(0.70)	1.74	(0.36)
Oil and grease	55.1	(11.3)	33.1	(6.77)
TSS	113.0	(23.1)	55.1	(11.3)
pH	([1])	([1])	([1])	([1])

[1] Within the range of 7.5 to 10.0 at all times.

[47 FR 54244, Dec. 1, 1982; 49 FR 33648, Aug. 24, 1984]

§ 465.12 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable:

Subpart A

Pollutant or pollutant property	BAT effluent limitations			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	0.50	(0.10)	0.20	(0.041)

Pollutant or pollutant property	BAT effluent limitations			
	Maximum for any 1 day		Maximum for monthly average	
Cyanide	0.34	(0.07)	0.14	(0.029)
Zinc	1.56	(0.32)	0.66	(0.14)
Iron	1.45	(0.30)	0.74	(0.15)

[47 FR 54244, Dec. 1, 1982; 49 FR 33648, Aug. 24, 1984]

§ 465.13 New source performance standards.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart:

Subpart A

Pollutant or pollutant property	NSPS			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	0.12	(0.024)	0.047	(0.01)
Cyanide	0.063	(0.013)	0.025	(0.005)
Zinc	0.33	(0.066)	0.14	(0.027)
Iron	0.39	(0.086)	0.20	(0.041)
Oil and grease	3.16	(0.65)	3.16	(0.65)
TSS	4.74	(0.97)	3.79	(0.78)
pH	([1])	([1])	([1])	([1])

[1] Within the range of 7.5 to 10.0 at all times.

[47 FR 54244, Dec. 1, 1982; 49 FR 33648, Aug. 24, 1984]

§ 465.14 Pretreatment standards for existing sources.

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following retreatment standards for existing sources. The mass of wastewater pollutants in coil coating process wastewater introduced into a POTW shall not exceed the following values:

Subpart A

Pollutant or pollutant property	PSES

Pollutant or pollutant property	Maximum for any 1 day		Maximum for monthly average	
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pound per 1 million ft^2) of area processed			
Chromium	0.50	(0.10)	0.20	(0.041)
Cyanide	0.34	(0.07)	0.14	(0.029)
Zinc	1.56	(0.32)	0.66	(0.14)

[47 FR 54244, Dec. 1, 1982; 49 FR 33648, Aug. 24, 1984]

§ 465.15 Pretreatment standards for new sources.

Except as provided in CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources. The mass of wastewater pollutants in coil coating process wastewater introduced into a POTW shall not exceed the following values:

Subpart A

Pollutant or pollutant property	PSNS			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	0.12	(0.024)	0.047	(0.01)
Cyanide	0.063	(0.013)	0.025	(0.005)
Zinc	0.33	(0.066)	0.14	(0.027)

[47 FR 54244, Dec. 1, 1982; 49 FR 33648, Aug. 24, 1984]

Subpart B - Galvanized Basis Material Subcategory

§ 465.20 Applicability; description of the galvanized basis material subcategory.

This subpart applies to discharges to waters of the United States and introductions of pollutants into publicly owned treatment works from coil coating of galvanized basis material coils.

§ 465.21 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available:

Subpart B

Pollutant or pollutant property	BPT effluent limitations			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	1.10	(0.23)	0.45	(0.091)
Copper	4.96	(1.02)	2.61	(0.54)
Cyanide	0.76	(0.16)	0.32	(0.064)
Zinc	3.47	(0.71)	1.46	(0.30)
Iron	3.21	(0.66)	1.65	(0.34)
Oil and grease	52.2	(10.7)	31.3	(6.42)
TSS	107.0	(21.9)	52.2	(10.7)
pH	([1])	([1])	([1])	([1])

[1] Within the range of 7.5 to 10.0 at all times.

[47 FR 54244, Dec. 1, 1982; 49 FR 33648, Aug. 24, 1984]

§ 465.22 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable:

Subpart B

Pollutant or pollutant property	BAT effluent limitations			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	0.37	(0.077)	0.16	(0.031)
Copper	1.71	(0.35)	0.90	(0.19)
Cyanide	0.26	(0.053)	0.11	(0.022)
Zinc	1.20	(0.25)	0.51	(0.11)
Iron	1.10	(0.23)	0.57	(0.12)

[47 FR 54244, Dec. 1, 1982; 49 FR 33648, Aug. 24, 1984]

§ 465.23 New source performance standards.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section which may be discharged by a new source subject to the provisions of this subpart:

Subpart B

Pollutant or pollutant property	NSPS			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	0.13	(0.027)	0.052	(0.011)
Copper	0.44	(0.090)	0.21	(0.043)
Cyanide	0.07	(0.015)	0.028	(0.006)
Zinc	0.35	(0.08)	0.15	(0.030)
Iron	0.43	(0.09)	0.22	(0.045)
Oil and grease	3.43	(0.71)	3.43	(0.702)
TSS	5.15	(1.06)	4.12	(0.84)
pH	([1])	([1])	([1])	([1])

[1] Within the range of 7.5 to 10.0 at all times.

[47 FR 54244, Dec. 1, 1982; 49 FR 33648, Aug. 24, 1984]

§ 465.24 Pretreatment standards for existing sources.

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for existing sources. The mass of wastewater pollutants in coil coating process wastewater introduced into a POTW shall not exceed the following values:

Subpart B

Pollutant or pollutant property	PSES			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	0.37	(0.077)	0.16	(0.031)
Copper	1.71	(0.35)	0.90	(0.19)
Cyanide	0.26	(0.053)	0.11	(0.022)
Zinc	1.20	(0.25)	0.51	(0.11)

[47 FR 54244, Dec. 1, 1982; 49 FR 33648, Aug. 24, 1984]

§ 465.25 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources. The mass of wastewater pollutants in coil coating process wastewater introduced into a POTW shall not exceed the following values.

Subpart B

Pollutant or pollutant property	PSNS			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	0.13	(0.027)	0.052	(0.011)
Copper	0.44	(0.090)	0.21	(0.043)
Cyanide	0.07	(0.015)	0.028	(0.006)
Zinc	0.35	(0.072)	0.15	(0.030)

[47 FR 54244, Dec. 1, 1982; 49 FR 33649, Aug. 24, 1984]

Subpart C - Aluminum Basis Material Subcategory

§ 465.30 Applicability; description of the aluminum basis material subcategory.

This subpart applies to discharges to waters of the United States and introductions of pollutants into publicly owned treatment works from coil coating of aluminum basis material coils.

§ 465.31 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available:

Subpart C

Pollutant or pollutant property	BPT Effluent limitations			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	1.42	(0.29)	0.58	(0.12)
Cyanide	0.98	(0.20)	0.41	(0.083)
Zinc	4.48	(0.92)	1.89	(0.39)
Aluminum	15.3	(3.14)	6.26.	(1.28)
Oil and grease	67.3	(13.8)	40.4	(8.27)

Pollutant or pollutant property	BPT Effluent limitations			
	Maximum for any 1 day		Maximum for monthly average	
TSS	138.0	(28.3)	67.3	(13.8)
pH	([1])	([1])	([1])	([1])

[1] Within the range of 7.5 to 10.0 at all times.

[47 FR 54244, Dec. 1, 1982; 49 FR 33649, Aug. 24, 1984]

§ 465.32 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable:

Subpart C

Pollutant or pollutant property	BAT Effluent limitations			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	0.42	(0.085)	0.17	(0.034)
Cyanide	0.29	(0.059)	0.12	(0.024)
Zinc	1.32	(0.27)	0.56	(0.12)
Aluminum	4.49	(0.92)	1.84.	(0.38)

[47 FR 54244, Dec. 1, 1982; 49 FR 33649, Aug. 24, 1984]

§ 465.33 New source performance standards.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart.

Subpart C

Pollutant or pollutant property	NSPS			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	0.18	(0.037)	0.072	(0.015)
Cyanide	0.095	(0.020)	0.038	(0.008)

Pollutant or pollutant property	NSPS			
	Maximum for any 1 day		Maximum for monthly average	
Zinc	0.49	(0.10)	0.20	(0.041)
Aluminum	1.44	(0.30)	0.59	(0.121)
Oil and Grease	4.75	(0.98)	4.75	(0.98)
TSS	7.13	(1.46)	5.70	(1.17)
pH	([1])	([1])	([1])	([1])

[1] Within the range of 7.5 to 10.0 at all times.

[47 FR 54244, Dec. 1, 1982; 49 FR 33649, Aug. 24, 1984]

§ 465.34 Pretreatment standards for existing sources.

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for existing sources. The mass of wastewater pollutants in coil coating process wastewater introduced into a POTW shall not exceed the following values:

Subpart C

Pollutant or pollutant property	PSES			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	0.42	(0.085)	0.17	(0.034)
Cyanide	0.29	(0.059)	0.12	(0.024)
Zinc	1.32	(0.27)	0.56	(0.12)

[47 FR 54244, Dec. 1, 1982; 49 FR 33649, Aug. 24, 1984]

§ 465.35 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources. The mass of wastewater pollutants in coil coating process wastewater introduced into a POTW shall not exceed the following values:

Subpart C

Pollutant or pollutant property	PSNS			
	Maximum for any 1 day		Maximum for monthly average	

Pollutant or pollutant property	PSNS			
	Maximum for any 1 day		Maximum for monthly average	
	mg/m^2 (pounds per 1 million ft^2) of area processed			
Chromium	0.18	(0.037)	0.072	(0.015)
Cyanide	0.095	(0.02)	0.038	(0.008)
Zinc	0.49	(0.10)	0.20	(0.041)

[47 FR 54244, Dec. 1, 1982; 49 FR 33649, Aug. 24, 1984]

Subpart D - Canmaking Subcategory

Source: 48 FR 52399, Nov. 17, 1983, unless otherwise noted.

§ 465.40 Applicability; description of the canmaking subcategory.

This subpart applies to discharges to waters of the United States, and introductions of pollutants into publicly owned treatment works from the manufacturing of seamless can bodies, which are washed.

§ 465.41 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available:

Subpart D - BPT Effluent Limitations

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	g (lbs)/1,000,000 cans manufactured	
Cr	94.60 (0.209)	38.70 (0.085)
Zn	313.90 (0.692)	131.15 (0.289)
Al	1382.45 (3.048)	688.00 (1.517)
F	12792.50 (28.203)	5676.00 (12.514)
P	3590.50 (7.916)	1468.45 (3.237)
O & G	4300.00 (9.480)	2580.00 (5.688)
TSS	8815.00 (19.434)	4192.50 (9.243)
pH	([1])	([1])

[1]Within the range of 7.0 to 10 at all times.

[48 FR 52399, Nov. 17, 1983; 49 FR 14105, Apr. 10, 1984]

§ 465.42 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable:

Subpart D - BAT Effluent Limitations

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	g (lbs)/1,000,000 cans manufactured	
Cr	36.92 (0.081)	15.10 (0.033)
Zn	122.49 (0.270)	51.18 (0.113)
Al	539.48 (1.189)	268.48 (0.592)
F	4992.05 (11.001)	2214.96 (4.883)
P	1401.13 (3.089)	573.04 (1.263)

§ 465.43 New source performance standards.

The following standards of performance establish the quantity of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart:

Subpart D - NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	g (lbs)/1,000,000 cans manufactured	
Cr	27.98 (0.062)	11.45 (0.025)
Zn	92.86 (0.205)	38.80 (0.086)
Al	408.95 (0.902)	203.52 (0.449)
F	3784.20 (8.343)	1679.04 (3.702)
P	1062.12 (2.342)	434.39 (0.958)
O & G	1272.00 (2.804)	763.20 (1.683)
TSS	2607.60 (5.749)	1240.20 (2.734)
pH	([1])	([1])

[1]Within the range of 7.0 to 10 at all times.

[48 FR 52399, Nov. 17, 1983; 49 FR 14105, Apr. 10, 1984]

§ 465.44 Pretreatment standards for existing sources.

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for exisiting sources.

Subpart D - PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	g (lbs)/1,000,000 cans manufactured	
Cr	36.92 (0.081)	15.10 (0.033)
Cu	159.41 (0.351)	83.90 (0.185)
Zn	122.49 (0.270)	51.18 (0.113)
F	4992.05 (11.001)	2214.96 (4.883)
P	1401.13 (3.089)	573.04 (1.263)
Mn	57.05 (0.126)	24.33 (0.053)
TTO	26.85 (0.059)	12.59 (0.028)
O&G (for alternate monitoring)	1678.00 (3.699)	1006.80 (2.220)

[48 FR 52399, Nov. 17, 1983; 49 FR 14105, Apr. 10, 1984]

§ 465.45 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7 any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources.

Subpart D - PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	g (lbs)/1,000,000 cans manufactured	
Cr	27.98 (0.0617)	11.45 (0.025)
Cu	120.84 (0.267)	63.60 (0.140)
Zn	92.86 (0.205)	38.80 (0.086)
F	3784.20 (8.345)	1679.04 (3.702)
P	1062.12 (2.342)	434.39 (0.958)
Mn	43.25 (0.095)	18.44 (0.041)
TTO	20.35 (0.045)	9.54 (0.0210)
O&G (for alternate monitoring)	1272.00 (2.804)	763.20 (1.683)

[48 FR 52399, Nov. 17, 1983; 49 FR 14105, Apr. 10, 1984]

§ 465.46 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology. [Reserved]