



NR 255
State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Filed 3/31/75
G.P.

L. P. Voigt
Secretary

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MADISON, WISCONSIN 53701

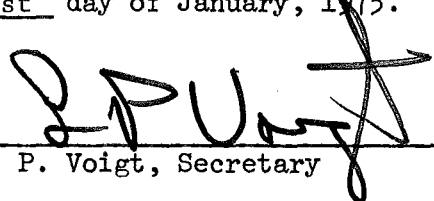
IN REPLY REFER TO: _____

STATE OF WISCONSIN)
)
DEPARTMENT OF NATURAL RESOURCES) ss

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, L. P. Voigt, Secretary of the Department of Natural Resources and custodian of the official records, do hereby certify that the annexed copy of Natural Resources Board Order No. W-90-74 (I) has been compared by me with the original order on file in this office of the Department of Natural Resources, Madison, Wisconsin, and that the same is a true copy thereof, and of the whole of such original order; that said order was duly passed and published as set forth therein.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the Department at the Pyare Square Building in the City of Madison, this 31st day of January, 1975.


L. P. Voigt, Secretary

(SEAL)

STATE OF WISCONSIN NATURAL RESOURCES BOARD

.....
IN THE MATTER of repealing and recreating .
Chapter NR 255 of the Wisconsin Adminis- .
trative Code pertaining to Iron and Steel .
Production .
.....

ORDER NO. W-90-74 (I)

ORDER OF THE STATE OF WISCONSIN NATURAL RESOURCES BOARD

REPEALING AND RECREATING RULES

Pursuant to authority vested in the State of Wisconsin Natural Resources Board by section 147.04(5) and Chapter 227, Wisconsin Statutes, the State of Wisconsin Natural Resources Board hereby repeals and recreates rules as follows:

CHAPTER NR 255
Interim Effluent Limitations for the
Iron and Steel Production

NR 255.01 Purpose. The purpose of this chapter is to establish interim effluent limitations for discharges from industrial point sources identified herein as authorized by section 147.04(5), Wisconsin Statutes.

255.02 Applicability. These limitations apply to Standard Industrial Classification Code 3312. Subcategories included are hot forming, pickling, cold rolling sheet and strip (recirculation), cold rolling sheet and strip (direct application), tin plating and chromium coating steel, and other application of other coatings.

255.03 Application of Interim Limitations.

- (1) The interim limitations are to be used only for carbon steel integrated facilities. Interim effluent limitations in accordance with Wis. Adm. Code chapter NR 217 are applicable to discharges from facilities in the iron and steel industry not subject to the provisions of this chapter or Wis. Adm. Code chapter NR 254.
- (2) The effluent limitations are process weight limits and were developed on the basis of the actual process water needed in each of the listed operations. The limitation levels are values to be applied to each operation after treatment and prior to mixing with other process wastewater or cooling water. The calculations for each operation are to be made separately and the values accumulated for all operations to evaluate the adequacy of treatment facilities and/or control technology.

255.04 Identification of Abatement Models. Abatement or treatment models on which the interim limitations of this chapter were developed are identified by process in the following tabulations.

<u>Subcategory</u>	<u>Treatment</u>
(1) Pickling	Neutralization Precipitation Chemical Treatment Flocculation Clarification Acid Regeneration
(2) Cold Rolling	
(a) Recirculating Oil	Emulsion Breaking Recirculation Skimming Air Flotation Magnetic Separation Biological Treatment
(b) Direct Application	Settling Emulsion Breaking Air Flotation Chemical Treatment Skimming
(3) Tinplate and Chromium Plating	Ion Exchange for Chromium Air Flotation Chemical Treatment Flocculation Settling Basin
(4) Other Coatings	Segregation and Separate Treatment

255.05 Table of Effluent Limitations

<u>Subcategory</u>	<u>Parameters</u>	<u>Limitations</u>	
(1) Hot Forming	Suspended Solids	.1	
	Oil & Grease	.1	
(2) Pickling	Suspended Solids (1)	.025	
	Iron, Dissolved (1)	.002	
	Chloride (2)	3	
	Sulfate (2)	7	
(3) Cold Rolling (a) Recirculating Oil	Suspended Solids	.04	
	Iron, Total	.02	
	Iron, Dissolved	.002	
	Oil & Grease	.016	
	(b) Direct Application	Suspended Solids	.2
	Oil & Grease	.06	
(4) Tin Plate and Chromium Coated Steel (Cleaning, Pickling, plating & chemical rinse)	Suspended Solids	.2	
	Chromium, Total Dissolved	.009	
	Iron, Dissolved	.015	
	Oil & Grease	.125	
	Tin	.09	
	Cyanide, Free	.01	
	(5) Coatings other than Tin & Chromium (Dip or Electrolytic)	Iron, Dissolved	.02
		Chromium, Total Dissolved	.0008
Zinc, Total Dissolved		.02	
Cyanide, Free		.003	
Suspended Solids		.25	
Oil & Grease		.17	

NOTE: Limitations are for 30 day average values in pounds per tons formed or processed.

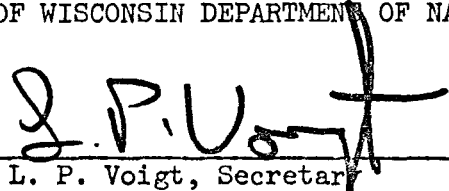
The foregoing rules were approved and adopted by the State of Wisconsin Natural Resources Board on December 20, 1974.

The rules contained herein shall take effect upon publication in the official state newspaper.

Dated at Madison, Wisconsin January 31, 1975

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

By



L. P. Voigt, Secretary

(SEAL)