



NR 272

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

L. P. Voigt
Secretary

BOX 450
MADISON, WISCONSIN 53701

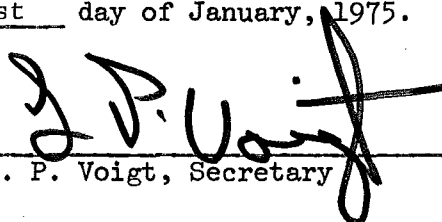
IN REPLY REFER TO: _____

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-94-74 (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 272 of the Wisconsin Adminis- .
trative Code pertaining to Motor Vehicle .
Industry .
.....

ORDER NO. W-94-74 (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 272
Interim Effluent Limitations for the
Motor Vehicle Industry
Wisconsin Pollutant Discharge Elimination System

NR 272.01 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.

272.02 Applicability. These interim limitations were developed to apply to SIC Codes 3711, 3712, 3714, and 3461.

- (1) Subcategories included. The following subcategories of operations in the motor vehicles industry are included; casting, engine machining and assembly, stamping, body assembly, frame manufacture, electroplating of metal, and final assembly.
- (2) Operations Excluded. Other operations not listed such as aluminum casting, conversion coating, and the manufacture of springs, radiators, heaters, and transmissions are not included but must be taken into consideration.

272.03 Application of Interim Limitations. The interim limitations are based on a very limited information base and must be used very selectively.

272.04 Abatement Models. Abatement facilities may include provisions for suspended solids settling, breaking emulsions, oil and grease removal, and metal ion precipitation. Treatment facilities can be kept at a minimum by good housekeeping and control of in-plant processes including:

- (a) Separation of contaminated wastewaters from cooling waters,
- (b) Separation of soluble oils utilized in machining or hydraulic systems from other plant wastewaters,
- (c) Recirculation in emulsified oil systems,
- (d) Electrostatic painting,
- (e) Use of non-phenol paint strippers,
- (f) Reduction of drag-in to rinsing circuits,
- (g) Curtailment in water usage by countercurrent rinsing, the use of sprays, better control of water flow and proper use and maintenance of racks and tanks,
- (h) Segregation of toxic wastewaters,
- (i) Prevention of leaks, overflows, and spills, and provisions for impounding such discharges.

272.05 Table of Interim Effluent Limitations; Motor Vehicle Industry

<u>Subcategory</u>	<u>Unit</u>	<u>Water Use Gal/Unit</u>	<u>Effluent Limitation (Pounds Per Unit)</u>					
			<u>TSS</u>	<u>Oil & Grease</u>	<u>Phosphate</u>	<u>BOD5</u>	<u>Other</u>	
(1) Casting (1)	Ton Metal	1000	.0834	.04			Phenol Iron	.0008 .0025
(2) Engine; Machining, Assembly	Engine	150	.0125	.0625	.00125		Phenol Chromium (2) Copper Zinc	.000125 .00006 .00004 .0006
(3) Stamping	1000 sq.ft.	170	.0142	.007	.00142	.0142	Chromium (2) Zinc	.00007 .0007
(4) Body Assembly	Body	600	.05	.025	.005	.05	Chromium (2)	.00025
(5) Frame Mfg.	Frame	100	.008	.004	.0008	.008	Phenol	.00008
(6) Electroplating	1000 sq.ft.	12	1.0	.50			Chromium (2) Copper Cyanide Iron Nickel Zinc	.005 .003 .0025 .03 .04 .05
(7) Final Assembly	Body	100	.008	.004	.0008	.008	Chromium (2)	.00004

NOTES:

- (1) Limitations apply to casting with dry air pollution control equipment; multiply by factor not to exceed 10 for wet air pollution control equipment.
- (2) Chromium as total chromium.
- (3) Typical for good operation.

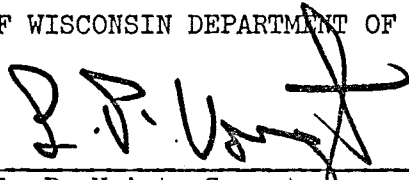
The foregoing rules were approved and adopted by the State of Wisconsin Natural Resources Board on December 20, 1974.

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)