

## Chapter NR 272

## MOTOR VEHICLE INDUSTRY

## (Interim Effluent Limitations)

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**Note:** Pursuant to chapter 147, Wis. Stats. and under the procedure of section 227.027, Wis. Stats., the department of natural resources has promulgated interim effluent limitations which were in effect for one year. These interim effluent limitations will be periodically replaced by permanent effluent limitations.

**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.

**History:** Cr. eff. 2-28-75.

**NR 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.

**History:** Cr. eff. 2-28-75

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

**History:** Cr. eff. 2-28-75.

**NR 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.

**History:** Cr. eff. 2-28-75.

**NR 272.05** Table of interim effluent limitations; motor vehicle industry

Subcategory	Unit	Water Use Gal/Unit (3)	Effluent Limitations (Pounds Per Unit)					Other	
			TSS	Oil & Grease	Phosphate	BOD <sub>5</sub>			
(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.

**History:** Cr. eff. 2-28-75.