

## Chapter NR 231

### EXPLOSIVES MANUFACTURING

NR 231.01	Purpose.
NR 231.02	Applicability.
NR 231.03	Definitions.
NR 231.04	Compliance with effluent limitations and standards.

NR 231.06	Application of effluent limitations and standards.
NR 231.10	Effluent limitations, best practicable treatment.
NR 231.13	Pretreatment standards.

**NR 231.01 Purpose.** The purpose of this chapter is to establish effluent limitations, standards of performance, and pretreatment standards for discharges of process wastes from the explosives manufacturing category of point sources and subcategories thereof.

**Note:** The authority for promulgation of this chapter is set forth in ch. NR 205.  
**History:** Cr. Register, June, 1977, No. 258, eff. 7-1-77.

**NR 231.02 Applicability.** The effluent limitations, standards of performance, pretreatment standards, and other provisions in this chapter are applicable to pollutants or pollutant properties in discharges of process waste resulting from manufacture in any of the following subcategories:

- (1) Explosives manufacturing.
- (2) Explosives load, assemble, and pack plants.

**History:** Cr. Register, June, 1977, No. 258, eff. 7-1-77.

**NR 231.03 Definitions.** The following definitions are applicable to terms used in this chapter. Definitions of other terms and meanings of abbreviations are set forth in ch. NR 205.

(1) "Product" means, for subcategory (1), dynamite, nitroglycerin, cyclo-trimethylene trinitramine (RDX), cyclotetramethylene tetra- nitramine (HMX), and trinitrotoluene (TNT).

(2) "Product" means, for subcategory (2), the production of:

- (a) Facilities which blend explosives and market a final product; and
- (b) Facilities that fill shells and blasting caps.

**History:** Cr. Register, June, 1977, No. 258, eff. 7-1-77.

**NR 231.04 Compliance with effluent limitations and standards.** Discharge of pollutants from facilities subject to the provisions of this chapter may not exceed, as appropriate:

(1) By July 1, 1977 effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available;

(2) By July 1, 1983 effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable;

(3) Pretreatment standards for discharges to publicly owned treatment works;

(4) Standards of performance for new sources.

**History:** Cr. Register, June, 1977, No. 258, eff. 7-1-77; r. and recr. Register, August, 1983, No. 332, eff. 9-1-83.

**NR 231.06 Application of effluent limitations and standards.** (1) The effluent limitations and standards set forth in this chapter shall be used in accordance with this section to establish the quantity or quality of pollutants or pollutant properties which may be discharged by a point source subject to the provisions of this chapter, except as:

(a) They may be modified in accordance with subch. IV of ch. NR 220,

(b) They may be superseded by more stringent limitations and standards necessary to achieve water quality standards or meet other legal requirements, or

(c) They may be supplemented or superseded by standards or prohibitions for toxic pollutants or by additional limitations for other pollutants required to achieve water quality.

(2) The production basis for application of the limitations and standards set forth in this chapter shall be the daily average of a maximum month in each subcategory subject to the provisions of this chapter.

**History:** Cr. Register, June, 1977, No. 258, eff. 7-1-77; correction in (1) (a) made under s. 13.92 (4) (b) 7, Stats., Register April 2018 No. 748.

**NR 231.10 Effluent limitations, best practicable treatment.** The following effluent limitations for all or specific subcategories establish, except as provided in subch. IV of ch. NR 220, the quantity or quality of pollutants or pollutant properties which may be discharged by a facility subject to the provisions of this chapter after application to process wastes of the best practicable control technology currently available.

(1) The pH of all discharges shall be within the range of 6.0 to 9.0.

(2) The 30-day average and daily maximum limitations for BOD<sub>5</sub>, COD, suspended solids, and oil and grease are set forth in table 1 in lbs/1000 lbs or kg/1000 kg of product.

**Table 1**  
**BPT EFFLUENT LIMITATIONS**

Parameter	For Subcategory (1)		For Subcategory (2)	
	30 Day Ave.	Daily Max.	30 Day Ave.	Daily Max.
BOD <sub>5</sub>	0.24	0.72	x	x
COD	2.59	7.77	x	x
Suspended solids	0.084	0.25	0.088	0.26
Oil and grease	x	x	0.035	0.11

**History:** Cr. Register, June, 1977, No. 258, eff. 7-1-77; correction in (intro.) made under s. 13.92 (4) (b) 7, Stats., Register April 2018 No. 748.

**NR 231.13 Pretreatment standards.** The pretreatment standards for discharges to publicly owned treatment works from sources subject to the provisions of this chapter shall be as set forth in ch. NR 211.

**History:** Cr. Register, August, 1983, No. 332, eff. 9-1-83.