

Chapter NR 231

EXPLOSIVES MANUFACTURING

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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 231.05 Modification of effluent limitations. (1) Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available may be modified in accordance with this section.

(2) An individual discharger or other interested person may submit evidence to the department that factors relating to the equipment or facilities involved, the process applied, or other such factors related to such discharger are fundamentally different from the factors considered in the establishment of the effluent limitations. On the basis of such evidence or other available information, the department will make a written determination that

such factors are or are not fundamentally different for that facility compared to those specified in the applicable sections of the EPA development document identified in sub. (3). If such fundamentally different factors are found to exist, the department shall establish for the discharge effluent limitations in the WPDES permit either more or less stringent than the limitations in this chapter, to the extent dictated by such fundamentally different factors. Such limitations must be approved by EPA which may approve, disapprove, or specify other limitations.

(3) The EPA development document for effluent limitations guidelines and new source performance standards, identified by category title, by EPA document number, and by publication date, applicable in accordance with sub. (2) is:

Explosives Manufacturing, EPA 440/1-76/060-j, March 1976

(4) Copies of the development document identified in sub. (3) are available for inspection at the office of the department of natural resources, the secretary of state's office, and the office of the revisor of statutes, and may be obtained for personal use from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20460.

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

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 s. NR 231.05,
- (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.

NR 231.10 Effluent limitations, best practicable treatment. The following effluent limitations for all or specific subcategories establish, except as provided in s. NR 231.05, 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 BOD₅, COD, suspended solids, and oil and grease are set forth in table 1 in lbs/1000 lbs or kg/1000 kg of product.

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

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.

**Table 1
BPT EFFLUENT LIMITATIONS**

| Parameter | For Subcategory (1) | | For Subcategory (2) | |
|------------------|---------------------|------------|---------------------|------------|
| | 30 Day Ave. | Daily Max. | 30 Day Ave. | Daily Max. |
| BOD ₅ | 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 |