

Toxic Substance	CAS Number	Fresh Water (FW2) Criteria			Saline Water (SE & SC) Criteria		
		Aquatic		Human Health	Aquatic		Human Health
		Acute	Chronic		Acute	Chronic	
Nitrobenzene	98-95-3			17(h)			690(h)
N-Nitrosodi-n-butylamine	924-16-3			0.0063(hc)			0.22(hc)
N-Nitrosodiethylamine	55-18-5			0.00023(hc)			0.13(hc)
N-Nitrosodimethylamine	62-75-9			0.00069(hc)			3.0(hc)
N-Nitrosodiphenylamine	86-30-6			3.3(hc)			6.0(hc)
N-Nitrosodi-n-propylamine (Di-n-propylnitrosamine)	621-64-7			0.0050(hc)			0.51(hc)
N-Nitrosopyrrolidine	930-55-2			0.016(hc)			34(hc)
Parathion	56-38-2	0.065	0.013				
Pentachlorobenzene	608-93-5			1.4(h)			1.5(h)
Pentachlorophenol	87-86-5	(b)	(b)	0.27(hc)	13	7.9	3.0(hc)
Phenol	108-95-2			10,000(h)			860,000(h)
Phosphorous (yellow)	7723-14-0					0.1	
Polychlorinated biphenyls (PCBs)	1336-36-3		0.014	0.000064(hc)		0.030	0.000064(hc)
Pyrene	129-00-0			830(h)			4,000(h)
Selenium	7782-49-2	20(s)	5.0(s)	170(h)(T)	290(d)(s)	71(d)(s)	4,200(h)(T)
Silver	7440-22-4	(a)		170(h)(T)	1.9(d)(s)		40,000(h)(T)
Sulfide-hydrogen sulfide (undissociated)	7783-06-4		2			2	
1,2,4,5-Tetrachlorobenzene	95-94-3			0.97(h)			1.1(h)
2,3,7,8-Tetrachlorodibenzo p-dioxin (TCDD)	1746-01-6			0.000000050(hc)			0.000000051(hc)
1,1,2,2-Tetrachloroethane	79-34-5			4.7(h)			110(h)
Tetrachloroethylene	127-18-4			0.34(hc)			1.6(hc)
Thallium	7440-28-0			0.24(h)(T)			0.47(h)(T)
Toluene	108-88-3			1,300(h)			15,000(h)
Toxaphene	8001-35-2	0.73	0.0002	0.00028(hc)	0.21	0.0002	0.00028(hc)
1,2,4-Trichlorobenzene	120-82-1			21(h)			42(h)
1,1,1-Trichloroethane	71-55-6			120(h)			2,600(h)
1,1,2-Trichloroethane	79-00-5			13(h)			350(h)
Trichloroethylene	79-01-6			1.0(hc)			12(hc)
2,4,5-Trichlorophenol	95-95-4			1,800(h)			3,600(h)
2,4,6-Trichlorophenol	88-06-2			0.58(hc)			1.0(hc)
Vinyl chloride	75-01-4			0.082(hc)			8.1(hc)
Zinc	7440-66-6	(a)	(a)	7,400(h)(T)	90(d)(s)	81(d)(s)	26,000(h)(T)

(a) Criteria as listed at (f)3 above as formula

(b) Criteria as listed at (f)4 above as formula

(d) Criterion is expressed as a function of the Water Effect Ratio (WER). For criterion in the table, WER equates to the default value of 1.0.

(fc) Criteria expressed as free cyanide (as CN)/L

(h) Human health noncarcinogen

(hc) Human health carcinogen

(ol) Organoleptic effect-based criterion with no frequency of exceedance at or above the MA7CD10 flow

(s) Dissolved criterion

(T) Total recoverable criterion

(g) Site-specific surface water quality criteria listed below apply to specific waterbodies that supersede the State-wide criteria listed at (d) through (f) above.

Toxic Substance	CAS Number	Freshwater Criteria			Saline water Criteria			Waterbodies
		Aquatic		Human Health	Aquatic		Human Health	
		Acute	Chronic		Acute	Chronic		
Copper (µg/L dissolved)	7440508				7.9	5.6	Newark Bay, Raritan Bay, Arthur Kill, Kill Van Kull, saline portions of the Passaic, Hackensack, and Hudson Rivers and saline portions of tributaries to all of these waters.	

(h) Surface water quality criteria for waters under the jurisdiction of the DRBC:

1. Mainstem Delaware River and Delaware Bay:

i. For parameters with criteria in "Delaware River Basin Commission, Administrative Manual—Part III, Water Quality Regulations," Article 3, dated October 23, 1996, including all amendments and future supplements thereto, the criteria contained therein are the applicable criteria.

ii. For parameters without criteria in "Delaware River Basin Commission, Administrative Manual—Part III, Water Quality Regulations," Article 3, dated October 23, 1996, including all amendments and future supplements thereto, the criteria at (c) above are the applicable criteria and shall be applied as follows:

(1) Criteria applicable to FW2-NT waters apply where salinities are less than or equal to 3.5 parts per thousand (ppt) at mean high tide;

(2) Criteria applicable to SE waters apply where salinities are greater than 3.5 ppt at mean high tide; and

(3) Where salinities vary from 3.5 ppt or less, to greater than 3.5 ppt, at mean high tide, the more stringent of the FW2-NT or SE criteria apply.

2. Tributaries to the mainstem Delaware River and Delaware Bay:

i. The applicable criteria are those contained in "Delaware River Basin Commission, Administrative Manual—Part III, Water Quality Regulations," Article 3, dated October 23, 1996, including all amendments and supplements thereto; or

ii. The criteria at (c) above, whichever are more stringent.

3. For all waters under the jurisdiction of the DRBC where criteria are not established in "Delaware River Basin Commission, Administrative Manual—Part III, Water Quality Regulations," Article 3, dated October 23, 1996, including all amendments and future supplements thereto, or at (c) above, the Department shall use criteria based upon the best available scientific information, in accordance with (d)1ii above and N.J.A.C. 7:9B-1.5(c)5, to establish water quality-based effluent limitations.

Amended by R.1987 d.320, effective August 3, 1987 (operative October 1, 1987).

See: 18 N.J.R. 1435(a), 19 N.J.R. 1433(a).

Amended by R.1989 d.420, effective August 7, 1989.

See: 20 N.J.R. 1597(a), 21 N.J.R. 2302(b).

Amended by R.1993 d.415, effective August 16, 1993.

See: 25 N.J.R. 405(a), 25 N.J.R. 3755(a).

Amended by R.1993 d.610, effective December 6, 1993.

See: 24 N.J.R. 3983(a), 24 N.J.R. 4471(a), 25 N.J.R. 5569(a).

Amended by R.1996 d.383, effective August 5, 1996.

See: 27 N.J.R. 4506(b), 28 N.J.R. 3782(b).

Amended by R.1998 d.234, effective May 18, 1998.

See: 29 N.J.R. 5128(a), 30 N.J.R. 1778(a).

In the table in (c), inserted 8ii and recodified former ii as iii; and in (d), changed the date of the Administrative Manual throughout.

Administrative correction.

See: 31 N.J.R. 42(a).

Petition for Rulemaking.

See: 33 N.J.R. 1142(a).

Amended by R.2002 d.19, effective January 22, 2002.

See: 33 N.J.R. 4397(a), 34 N.J.R. 537(a).

Rewrote (c).

Amended by R.2006 d.372, effective October 16, 2006.

See: 37 N.J.R. 3480(a), 4121(a), 4368(a), 38 N.J.R. 4449(a).

In (b)2ii, inserted "bacterial quality," and "through (g)"; added (c); recodified former (c) and (d) as (d) and (h); in (d), added colon at end of table title; rewrote (d)1 and (d)11; deleted (d)13; recodified former (d)14 as (d)13; deleted footnote following (d)13, and added (e) through (g).

7:9B-1.15 Surface water classifications for the waters of the State of New Jersey

(a) This section contains the surface water classifications for the waters of the State of New Jersey. Surface water classifications are presented in tabular form. Subsections (c) through (g) contain surface water classifications by major drainage basin. Subsection (h) lists FW1 waters by tract within basins and subsection (i) identifies the Outstanding National Resource Waters of the State.

(b) The following are instructions for the use of Tables 1 through 5 found in (c) through (g) below respectively:

1. The surface water classification tables give the surface water classifications for waters of the State. Surface waters of the State and their classification are listed in the table covering the major drainage basin in which they are located. The major drainage basins are:

i. The Atlantic Coastal drainage basin which contains the surface waters listed in Table 1 in (c) below;