

POLAND

4 May 1990

Executive Order on Standards for Water for Drinking, Industrial Use

Warsaw DZIENNIK USTAW 31 May 90, Item No 205 pp 479-480

[Executive Order of the Minister of Health and Social Welfare, Item No. 205, dated 4 May 1990, changing the executive order governing the conditions that water for drinking and industrial use should meet]

Pursuant to Article 106, Paragraph 2 of the law dated 24 October 1974 -- Water Law (DZIENNIK USTAW No. 38, Item 230; 1980, No. 3, Item 6; 1983, No. 44, Item 201; 1989, No. 26, Item 139; and No. 35, Item 192, as well as 1990, No. 34, Item 198) the following is decreed:

Paragraph 1. The executive order of the minister of health and social welfare dated 31 May 1977 on conditions which water for drinking and industrial uses should meet (DZIENNIK USTAW, No. 18, Item 72) is amended as follows:

1) Paragraph 3 is amended to read:

"Paragraph 3.1. From the organoleptic and physical-chemical point of view, water should specifically meet the conditions set forth in Annex No. 1 to the executive order, and from the bacteriological point of view, those set forth in Annex No. 2.

Paragraph 3.2. "The content of radioactive substances in the water may not exceed the values of concentration of these substances set forth in other regulations."

2) Paragraphs 4 and 5 are deleted.

3) An annex to the executive order is replaced with Annexes No. 1 and No. 2 in the form given in Annexes No. 1 and No. 2 to the present executive order.

Paragraph 2. The executive order takes effect after 14 days have passed since the day of publication.

[signed] Minister of Health and Social Welfare: A. Kosiniak-Kamysz

Annex No. 1 to the Executive Order of the Minister of Health and Social Welfare Dated 4 May 1990 (Item 205)

Organoleptic, Physical, and Chemical Conditions That Water for Drinking and Industrial Uses Should Meet

Item	Indicator, Name of Compound	Unit of Measurement
1	2	3
	Organoleptic	
1	Color (Pt)	mg/cubic dm
2	Reaction (pH)	-

3	Turbidity	mg/cubic dm
4	Dissolved compounds	mg/cubic dm
5	Hydrogen sulfide	-
6	Hardness (CaCO3)	mg/cubic dm
7	Smell	-
8	Suspensions, dead and live water organisms, oil stains, etc.	
	Physical and chemical	
1	Ammonia (N)	mg/cubic dm
2	Arsenic (As)	mg/cubic dm
3	Nitrates (N)	mg/cubic dm
4	Benzene	mg/cubic dm
5	Benzoperene	mg/cubic dm
6	Chloramines	mg/cubic dm
7	Chlorides (Cl)	mg/cubic dm
8	Chlorobenzenes (without hexachlorobenzene)	mg/cubic dm
9	Chlorophenols (without pentachlorophenol)	-

**Organoleptic, Physical, and Chemical Conditions That
Water for Drinking and Industrial Uses Should Meet**

Item	Highest Permissible Content or Range	Notes
1	4	5
1	20	
2	6.5-8.5	
3	5	
4	800	
5	Imperceptible smell	
6	500	
7	3--Natural permissible smell of chlorine during disinfection by chlorine, not burdensome	
8	Invisible in glass vessels	
1	0.5	
2	0.05	
3	10.0	
4	0.01	
5	15.0	
6	2.0	
7	300.0	

8 0.005

9 Smell imperceptible

**Organoleptic, Physical, and Chemical Conditions
That water for Drinking and Industrial Uses Should Meet
(Continued)**

Item 1	Indicator, Name of Compound 2	Unit of Measurement 3
10	Chloroform	mg/cubic dm
11	Available chlorine (Cl<2>)	mg/cubic dm
12	Useful chlorine in the water of a swimming pool	mg/cubic dm
13	Chromium (Cr<6+>)	mg/cubic dm
14	Free cyanides (CN)	mg/cubic dm
15	Zinc (Zn)	mg/cubic dm
16	Anionic detergents	mg/cubic dm
	Cationic detergents	mg/cubic dm
	Non-ion detergents	mg/cubic dm
17	2,4-D (dichlorophenoxyacetic acid)	mg/cubic dm
18	DDT and its metabolites	mg/cubic dm
19	1,2-dichloroethane	mg/cubic dm
20	1,1 dichloroethene	mg/cubic dm
21	Phenols	--
22	Fluorides (F)	mg/cubic dm
23	Formaldehyde	mg/cubic dm
24	Aluminum	mg/cubic dm
25	Heptachloride and its epoxide	mg/cubic dm
26	Heptachlorobenzene	mg/cubic dm
27	Cadmium	mg/cubic dm
28	Lindane (HCH gamma)	mg/cubic dm
29	Manganese (Mn)	mg/cubic dm
30	Methoxychlor	mg/cubic dm
31	Copper (Cu)	mg/cubic dm
32	Nickel (Ni)	mg/cubic dm
33	Lead (Pb)	mg/cubic dm
34	Pentachlorophenol	mg/cubic dm
35	Mercury (Hg)	mg/cubic dm
36	Selenium (Se)	mg/cubic dm
37	Sulfates (SO<4>)	mg/cubic dm
38	Sodium (Na)	mg/cubic dm
39	Silver (Ag)	mg/cubic dm
40	Carbon tetrachloride	mg/cubic dm
41	Carbon tetrachloroethene	mg/cubic dm
42	Trichloroethene	mg/cubic dm
43	Iron (Fe)	mg/cubic dm

**Organoleptic, Physical, and Chemical Conditions
That Water for Drinking and Industrial Uses Should Meet**

(Continued)

Item	Highest Permissible Content or Range	Notes
1	4	5
10	0.03	
11	0.2-0.5	in water supplied to the mains
	0.05 or more	At the terminals of the mains
12	No less than 0.2	At the drain
13	0.01	
14	0.02	
15	5.0	
16	0.2	
	0.1	
	0.2	
17	0.05	
18	0.001	
19	0.01	
20	0.001	
21	Imperceptible smell	
22	1.5 no less than 0.3 recommended	
23	0.05	
24	0.3	
25	0.0001	
26	15.0	
27	0.005	
28	0.005	
29	0.1	
30	0.03	
31	0.05	
32	0.03	
33	0.05	
34	0.01	
35	0.001	
36	0.01	
37	200.0	
38	200.0	
39	0.05	
40	0.005	
41	0.01	
42	0.03	
43	0.5	

Annex No. 2 to the Executive Order of the Minister of Health and Social Welfare Dated 4 May 1990 (Item 205)

**Bacteriological Conditions That Water for
Drinking and Industrial Uses Should Meet**

Water Quality Indicator	Water From Water Supply Systems (Public or Enterprise), Disinfected Supplied to the Mains		Water From Water Supply Systems (Public or Enterprise), Not Disinfected Supplied to the Mains	
	2	3	4	5
Number of fecal-type bacteria of the coli group in 100 ml of water not to exceed	0	0	0	0
Number of bacteria of the coli group in 100 ml of water not to exceed	0	1	1	2
Number of the colonies of bacteria on nutritive agar after 24 hours, at 37 degrees Centigrade, in 1 ml of water not to exceed	10	20	20	40
Number of the colonies of bacteria on nutritive agar after 72 hours, at 20 degrees Centigrade, in 1 ml of water not to exceed	50	100	100	200
Number of staphylococci in 100 ml of water not to exceed	x	x	x	x

**Bacteriological Conditions That Water for
Drinking and Industrial Uses Should Meet**

Water Quality Indicator	Water From Local Water Supply Systems, Public Wells, and Enterprise Wells	Water From Equipment for Personal Needs	Water Flowing Into a Swimming Pool	Water in a Swimming Pool and Drain Water
1	6	7	8	9
Number of fecal-type bacteria of the coli group in 100 ml of water not to exceed	0	x	0	0
Number of bacteria of the coli group in 100 ml of water not to exceed	2	10	2	5
Number of the colonies of bacteria on nutritive agar after 24 hours, at 37 degrees Centigrade, in 1 ml of water not to exceed	40	100	100	200
Number of the colonies of bacteria on nutritive agar after 72 hours, at 20 degrees Centigrade, in 1 ml of	x	x	x	x

water not to

exceed

Number of
staphylococci
in 100 ml of
water not to
exceed

x

x

2

5

Water for filling the tanks of passenger transportation vehicles should meet the requirements set forth in rubric 3.

Water from malfunctioning equipment should at the very least meet the requirements set forth in rubric 6.