

REPUBLIC OF BULGARIA
MINISTRY OF PUBLIC HEALTH
THE ENVIRONMENTAL PROTECTION COMMITTEE

REGULATION No. 8
of 5 November 1986

**on Indicators and Rates for Determining the Quality
of Coastal Sea Waters**

Promulgated State Gazette No. 2/09.01.1987

Article 1

- (1) This Directive specifies the requirements for conserving the purity and the natural ecological habitat of the coastal sea waters and for creating favourable hygienic conditions for water utilization.
- (2) In the coastal sea waters conservation, the principle of the precedence of the hygienic requirements for ensuring the health of the population and for the normal development of fish husbandry shall be complied with.

Article 2

- (1) Under this Directive, the sea coast is divided into:
 1. Regions of current and future water utilization;
 2. Sanitary shelter belt.
- (2) The requirements to the water utilization regions ensure the epidemiological safety of, and the protection from, pollution with chemical and other substances of the current economic water projects along the coast, as well as of those envisaged for construction.
- (3) The boundaries of the water utilization regions in the direction of both the open sea and along the shoreline are at a distance of at least one nautical mile from the boundaries of the current or future projects, beaches, etc., located on dry land.
- (4) The boundaries of the water utilization regions are jointly endorsed by the Ministry of Public Health (MPH), the Environmental Protection Committee (EPC), and the Regional Development Committee (RDC).
- (5) Depending on the particular sanitary hydrophysical, topographical and hydrological specific features of the sea coast, the width of the water utilization region in the direction of the open sea and its length parallel to the shoreline may be increased or temporarily reduced by the joint permission of the MPH, EPC, and RDC, upon a request of the departments concerned, accompanied by relevant hygienic, technical and economic substantiation.
- (6) The sanitary shelter belt prevents exceeding the maximum allowable concentrations of physical, chemical and microbiological pollution in the water utilization region, caused by the discharge of waste water into the sea. The boundaries of this belt in the direction of the sea are determined by the boundaries of the territorial waters of the People's Republic of Bulgaria (PRB).

Article 3

- (1) The indicators and rates for determining the quality of the coastal sea waters in the water utilization region and in the sanitary shelter belt are specified in the Appendix.
- (2) The permissible content of other pollutants is determined by the EPC, with the consent of the MPH and the RDC.

Article 4

- (1) The determination of the concentration of the polluting substances follows methods established by a Bulgarian state standard, and in the absence of such a standard - the unified methods of the COMECON for analyzing the qualities of water, or other methods approved by the MPH, the EPC, and the RDC.
- (2) In case of waste water disposal, the places for sampling are specified in the disposal permit, depending on the conditions of their practical mingling with the sea waters.
- (3) In case of river water disposal, the places for sampling are determined depending on:
 1. The practical mingling with sea water;
 2. They shall be at a distance of at least 1 nautical mile from the place of disposal.

Article 5

Within the boundaries of the water utilization region, the discharge of treated and untreated industrial and household waste waters is prohibited. An exception is allowed only for rain water, after the relevant permission of the EPC, with the consent of the MPH and the RDC.

Article 6

In the territorial waters of the PRB, roadsteads, harbour water areas, and the internal water ports, it is prohibited to dump or submerge from vessels any solid or liquid waste and any other substances harmful for human health or for the living resources of the sea.

Article 7

- (1) The rates and requirements are mandatory for all agencies and organizations out of whose projects household, industrial, agricultural or another type of waste water is discharged into the Black Sea.
- (2) Deviations from the rates are allowed by the permission of the EPC, with the consent of the MPH and the RDC.

CONCLUDING PROVISIONS

- § 1. This Regulation is issued pursuant to Article 25 of the Pollution Protection of the Air, Waters and Soil Act, and in connection with section 26 of the Regulation to implement the same Act (promulgated, the State Gazette, No. 80 of 1964; amended, No. 9 of 1978), and it repeals Regulation No. 1 on the hazardous substances, the discharge of which into the Bulgarian territorial Black Sea waters is prohibited (the State Gazette, No. 68 of 1978).
- § 2. The control over the enforcement of this Directive is exercised by the Environmental Protection Committee and the Ministry of Public Health, and with regard to ships - by the Ministry of Transport as well.

Appendix
to Article 3, para. 1

Indicators and Rates for Determining the Quality of Coastal Sea Waters

| No. | Indicators | Unit of measurement | Water utilization region | Sanitary shelter belt |
|-----|------------|---------------------|--------------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |

Group A. General Physical and Inorganic Chemical Indicators

| | | | | |
|----|----------------------------|--------------------|--|--|
| 1. | Floating admixtures | - | absence of floating substances, unusual for the sea water, on the surface of the upper (30 cm) water layer (films, oil stains, and other admixtures) | absence of floating substances, unusual for the sea water, and other admixtures on the water surface |
| 2. | Colour | - | without a visible colouring of the sea water in a 10 cm column | no requirements |
| 3. | Transparency | cm | not less than 30 cm in Snellen's lettering. When the transparency reduction is caused by local hydrological and other natural and climatic factors, its value is not regulated | no requirements |
| 4. | Smell | forces | the intensity of the smells unusual for the sea water must not exceed the threshold of perception (2 forces) and the seafood must not have incidental smell and taste | absence of incidental taste and smell of seafood |
| 5. | Nitrogen (ammonia) | mg/dm ³ | < 0.05 | < 0.1 |
| 6. | Nitrite nitrogen | " | < 0.02 | < 0.02 |
| 7. | Nitrate nitrogen | " | < 1.0 | < 1.0 |
| 8. | Phosphorus (total content) | " | < 0.1 | < 0.1 |

Group B. General Indicators of Organic Polluting Substances

| | | | | |
|-----|--|--------------------|-------|-----------------|
| 9. | Oxidizability (permanganate) | mg/dm ³ | < 10 | no requirements |
| 10. | (bichromate) | " | < 25 | no requirements |
| 11. | | " | < 5 | no requirements |
| 12. | Extractable substances (with carbon tetrachloride) | " | < 0.1 | no requirements |

Group D. Indicators for Organic Substances of Industrial Origin

| | | | | |
|-----|---|--------------------|--------|-------|
| 13. | Anionactive detergents | mg/dm ³ | < 0.1 | < 0.5 |
| 14. | Oil and oil products (dissolved and emulsified) | " | < 0.05 | < 0.1 |

Group E. Microbiological Indicators

| | | | | |
|-----|--|------------------------|--|---|
| 15. | Number of lactose-positive intestinal bacteria | number/dm ³ | must not exceed 1,000 in 1 dm ³ of water | must not exceed 1,000 in 1 dm ³ of water |
| 16. | Exciters of enteric infectious diseases | " | not allowed | not allowed |
| 17. | Staphylococci | " | in places for mass swimming their number must not exceed 100 in 1 dm ³ of water | no requirements |
| 18. | Enterococci | " | must not exceed 50 in 1 dm ³ of water | no requirements |