

Sanitary protection zones and enterprise hazard classes

It is required to define a specific area with special security treatment around facilities and plants, being sources of effect on life environment and health (hereinafter referred to as the sanitary protection zone) the size of which ensures reducing of air pollution (chemical, biological, physical) up to the values established by the sanitary-hygienic standards.

The following approximate parameters of sanitary protection zones shall be established for industrial facilities and plants, buildings, being sources of effect on life environment and health, depending on capacity and other factors according to the sanitary classification of industrial facilities and plants:

- industrial facilities and plants of first class I — 1000 m;
- industrial facilities and plants of second class II— 500 m;
- industrial facilities and plants of third class III— 300 m;
- industrial facilities and plants of fourth class IV— 100 m;
- industrial facilities and plants of fifth class V— 50 m

Sanitary protection zone project shall be developed at two stages:

- estimated (preliminary) sanitary protection zone based on the project with calculation of air pollution and physical effect on atmosphere (noise, vibration, electromagnetic field, etc.);
- fixed (final) – based on the results of field studies and calculation for confirmation of design parameters.

The criterion of defining the size of sanitary protection zone – non-exceedance on its external boundary and outside of it of maximum admissible concentrations for atmosphere of populated places, maximum permissible levels of physical effect on atmosphere.

NORMATIVE BASE

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“Sanitary protection zones and sanitary classification of facilities, buildings and other plants” approved by the decree of the Government of the Russian Federation dated 25.09.2007 No. 74