

The invention relates to processes for regeneration of the activated coal exhausted in the water treatment and sewage treatment processes and may be applied in the adsorption technologies of environmental production.

The process consists in the irradiation of the activated coal with microwaves with a power of 600...1000 W during 10...35 min in discontinuous conditions, namely of 7...14 times for 1,5...2,5 min at an interval of 4...6 min in the steam and atmospheric oxygen medium, taken in the ratio of 1:9 correspondingly, at the temperature of 650...700°C and the humidity of the regenerated coal of about 10%.

The result of the invention consists in the complete restoration of the adsorptive capacity of the exhausted activated coal.

Claims: 1