

The Sewage Treatment Plant of Clos de Hilde

The sewage treatment plant of Clos de Hilde forms a part of the seven other sewage stations of the CUB (Urban Community of Bordeaux) which is the owner of these. It was built in 1992-1994, and in this time it was able to clean up the water of 150,000 inhabitants. In 2007, it was extended to reach its current capacity. It can clean the water of 400,000 inhabitants and it treats 100,000 cubic meters a day.

The CUB wants to play with appearances to make it beautiful and clean for the visitors and for the twelve people who work there.



Its working

Firstly, there is a pre-treatment with screening : the equipment called a de-gritter or sand catcher removes all large objects like rags, sticks...The solids are collected for incineration, and the muds are treated to become compost.

Secondly, it's primary treatment with sedimentation which sends to the surface the floating material such as greases and oils.

Then, secondary treatment degrades the biological content of sewage derived from human waste, food waste, soaps and detergent.

In addition, this sewage plant is one of the few which are roofed. Because of the presence of a shopping center nearby, there is a special room where the air is freshened by three showers : one with acid, the second with bleach and the third with sodium carbonate. This is a luxury and it's expensive. Besides, for the smell, the plant is covered.

After all these treatments the cleaned water is rejected seven meters deep. To be sure that this water isn't dangerous for the environment, it's tested every day, depending on the local norms, which are much stricter than in other plants.

The sewage treatment plant of Clos de Hilde respects the environment !!!