

FEATURES OF THE CEBRE

Alternative solution

Innovation in the Treatment of waste waters replacing the cleaning.

Place

Any urban area in Collective Cleaning or in a wish for.

Technic

Removing of all new housing connection, individual or collective on the existing rate of flow.

How

The CEBRE is established on the periphery of the urban area in individual, semi-collective or collective situation. After a specific research of feasibility the CEBRE is encrusted in the existing collective.

Objectives:

- 1 - Reducing the the infrastructures and treatment financial Investment of the collective Network
- 2 - Reducing the soil pollution underground and of the water tables with micro pollutant
- 3 - Bringing Oxygen to Cities asphyxiated by the concrete while creating on the collective periphery of the zones of housing, luxuriant vegetation.
- 4 -Reducing the residue's productions out of the STEP
- 5 -Reducing the treatment cost of wastewaters and Waste in general
- 6 -Reducing the water Consumption with the re-use of the water purified for the Garden Immediate watering.
- 7 -Reducing the urban area's atmospheric pollution of to the methane release
- 8 -Contributing towards the Biodiversity increase of surface, which allows the exchange (absorption CO₂ rejection of O₂).
- 9 -Ground fertilization outside of the urban areas

State advancement

The 100 "pilot site's" plant of the Lyseconcept industrial process "Pit Biological" from the basic process evolution that permit to this day, to plan this last to a collective cleaning to delete it.

The Principle

The basic process of the" Pit biological" Lyseconcept process is modelled and adapted specifically to the collective cleaning condition.

Comparative element

Current project cost of extension of the collective for a commune; switch of the STEP and new infrastructure of connection: 5 millions dollars

This amount has to be regulated immediately at the end of work.

The cost of the implementation of the CEBRE, 0 €.

The Added-value

Transfer of competence and cleaning financier from public to private.

The town hall will do savings on collective what permit to stick out financially the investment of the individual cleaning that going to be pay back on X years, no surcharge.

Profitability

The districts that choose the CEBRE will be able to put all their cleaning on conformity. Indeed, on a lot of French districts, there is irresolvable dark spots where the individual cleaning should be linked up to a collective but it's very difficult and costful to make it.

The CEBRE reduces the production of muds of the collective:

- 1- by not connecting more new habitat.
- 2- By eliminating certain habitats connected to the collective
- 3- While infiltrating on the collective

Key factors of the solution

A collective awakening to purify wastewaters in a non-polluting, effective and less expensive way with precedes of it the watering of the garden for a reduction in water provision.

A teaching action of individual responsibility in the use of water for the domestic needs

The safeguarding of a rare resource "water"

A financial investment over the short thanks to an immediately back on investment as good, individually a collectively.

Sustainable development effects

- Another approach in the way of treating wastewaters
- An opening to the innovation face to an exceed rules. A financial transfer and competence from public to individual for a lower cost.

Tangible advantages in the long run

Any Biologique action on our environment has an immediate and perennial effect in time.

By eliminating the causes from a slow but final pollution he will have repercussions on the disease for better health.

Implementation

It is a question of informing all the actors of the cleaning that a innovative and alternative way out exists to the conventional cleaning.

On a side:

The traditional project of cleansing costs X d'€ million,

The alternative solution costs only a few hundreds of d'€ thousands calibrated in time

Other side:

The manager of the public collective cleaning sees the cost of treatment of waste waters being reduced gradually.

He will also see the drinkable water provision decreasing in time, in spite of an increase in the local population.

Principal qualitative and quantitative indicators of success in the course of time

The atmospheric pollution of the city decreases

The biological cleansing shows one more been worth ecological.

The peripherals of the cities, which implemented the CEBRE, will be more luxuriant

The CEBRE has a teaching action on the reduction then the elimination of the chemical domestic products.

The 6th water world forum showed that the collective cleaning with the solutions of the current model very expensive and absolutely not adapted at all to the African countries.

The CEBRE is under study on several town halls of France.

Why the CEBRE is it so gravitational

The conventional cleaning uses the principle of filtration. This one generates a production of mud residues, which requires a palliative treatment all ineffective.

The STEP such as it is currently conceived doesn't have any power to eliminate the micro pollutant contained in the effluents from the collective

The CEBRE has an optimum purification performance and without production of mud residues

The only obstruction to date is of a lawful nature, which cannot approve a process whose parameters of revolutionnal purification are not registered in the currently practised certification.

Principal drawn lesson

The CEBRE is flexibled and is adapted to any specific and geographical situation.

Its effectiveness permit to reduce the cost of treatment of wastewaters.

Provided documents

All the documentation of the process "Biological Pit " lyseconcept on which the CEBRE rests.

Key words

Waste water, the cleansing, purification, the septic tank, biological Pit, the Responsibility, Immediate recycling, the watering of the garden, reboot strapping of oxygen, biodiversity of surface