

Thrasio Wastewater Treatment Plant



Thrasio Pedio and its surrounding marine environment have been for many years one of the most environmentally burdened zones in Attica area. EYDAP S.A. has undertaken the construction and operation of the project "Main Wastewater Collectors and Wastewater Treatment plant in Thrasio Pedio", which includes the construction of a sewerage network and Wastewater Treatment Plant, in the sensitive area of Thrasio.

The purpose of the project is to upgrade the quality of life of the residents, to restore the balance of the marine ecosystem at Elefsina sea and to contribute to the sustainable development in the area.

The project falls under the overall strategy of EYDAP with respect to collecting and processing wastewater that is currently discharged into the gulf of Elefsina or cesspits without processing, making Thrasio Pedio one of the most contaminated areas.

Subprojects

The Project includes three subprojects with a total budget of € 67.8 million:
 Main Collectors of sewage for the Western Sector of Thrasio Pedio
 Main Collectors of sewage for the Eastern Sector of Thrasio Pedio and

Facilities for wastewater processing and disposing in Thrasio Pedio) The project is expected to operate at the end of 2010.
 The project is co-funded at 45% by the Cohesion Fund, 15% by national funds and 40% by EYDAP S.A.

Results

The sewerage projects, in which important public and social resources are invested, constitute a basic infrastructure of a country and incontestable evidence of civilization and progress. These projects cover fundamental needs of society and aim at improving the quality of life and protecting public health and the environment.

The sewerage collecting, processing and disposal projects in Thrasio Pedio will serve the residential centers of Aspropyrgos, Elefsina, Mandra and Magoula in Western Attica (Municipalities of Aspropyrgos, Elefsina and Mandra- Eidyllia), as well as the industrial and artisanal areas.

Until today, urban wastewater is mainly discharged into cesspits, resulting to the pollution of the aquifer, whilst industrial effluent is also discharged into reservoirs or streams of the area, which end up in the gulf of Elefsina.

By means of this project, EYDAP contributes to the environment upgrading in the area of Thrasio Pedio and to the gradual restoring of Elefsina's gulf. At the same time, it provides a comprehensive solution to a chronic problem, satisfying the vital need of residents and professionals that live and work in the broader area of Thrasio Pedio.

Benefits

The environmental benefit for the region is important as it will contribute significantly to the following:

Upgrading in the quality of life in the Region

The quality of life and sanitary conditions in the area of Thrasio and of Attica overall, will ameliorate. Upon completion of the project, all the suffering areas will be relieved from the problems due to the operation of obsolete sewer systems such as septic and absorbent tanks.

Maintenance and enhancement of the natural environment

Following the previous sewerage system, all waste was channeled into septic absorbent tanks, thus contaminating groundwater in the area.

Moreover, polluted water ended at sea, resulting to various risks and other environmental problems. Upon completion of the project, the pollution of groundwater and aquifer will eliminate, while the volume of wastewater discharged in the Gulf of Eleusis, will extinguish gradually.

Economic benefits for the residents

Upon the project operation, it is expected that financial benefits will be produced for the local residents, since expenditure that was required for the operation of the old drainage system will be annihilated. In other words, the cumulative cost for the maintenance, evacuation and disposal of sewage will be abolished.

Economic development

Upon completion of the project, sustainable development will be achieved growth as well as enhancement of natural environment and upgrade of the quality of life for the residents, factors that will contribute to the local economy development.

Quality of Life

As a result of all the above, the project will contribute decisively to the further development of the quality of life for the region and will ensure better environmental conditions for future generations.

Benefits for local business

Out of the project operation it is expected that significant benefits for industries in the region, will be developed. In particular, industries that produce waste with high organic load (e.g. food industry) will have the chance to dispose their waste in the Thrasio Wastewater Treatment Plant (TWWTP) and not in streams, as it happens currently.