

## OUR ACTIVITIES IN THE FIELD OF ENVIRONMENT AND ENERGY SYSTEMS

Consultancy Services for Liquid Waste Management  
Consultancy Services for Solid Waste Management  
Alkeo-F: Treatment System for Septic Wastes  
Alkeo-C: Covering Solid Waste Disposal Sites with Alkeo-Hydrate  
Sludge Treatment Systems  
Stack Gas Treatment Systems  
Odor Control in Extremely Polluted Aquatic Environments  
Water Softening System (pellet reactor)  
Biodiesel Production and Product Analysis

## OUR REFERENCES on COVERING of SOLID WASTE DISPOSAL SITES with ALKEO-HYDRATE



- Alkeo-C Application in İzmir Harmandalı Solid Waste Disposal Site



- Alkeo-C Application in Bartın Municipality Solid Waste Disposal Site



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COVERING of SOLID WASTE DISPOSAL SITES with CALCIUM BASED ECO-FRIENDLY ALKEO-HYDRATE DISINFECTANT



## **ALKEO-C: COVERING SOLID WASTE DISPOSAL SITES WITH CALCIUM BASED ECO-FRIENDLY ALKEO HYDRATE DISINFECTANT**

As a result of random depositing of solid waste at waste disposal sites, formations of pests, flies and odours etc are causing a breakdown in environmental characteristics and ecological components of public health, and a worsening of aesthetic and visual factors, etc.

To put it another way, the breeding of flies and pathogenic organisms that cause disease on solid waste disposal sites, and especially on sites near to settlements is a cause of important health and environmental problems.

The ultimate solution is to approach the problem with an integrated solid waste management philosophy for reducing waste and the creation of a correctly designed and properly managed permanent waste disposal site, to maximize re-using, re-cycling, and re-gaining activities as well as for left over waste.

The realization of this ultimate solution- it goes without saying- needs a certain amount of time, the provision of an engineering service and the securing of the necessary finances.

While this period is underway, time does not stand still and the problems associated with the garbage are affecting the public and complaints on this subject are multiplying. For this reason, while local authorities are on the one hand

pursuing ultimate solutions economically and technically, they are, on the other- whilst rapidly dealing with transitional period problems- searching for short term solutions.

These short term solutions should be methods with low initial investment and management costs as well as ones which minimize the harm that may come to the environment and human health.

With these observations in mind, Ege Biyoteknoloji Inc, in order to solve the problems as quickly as possible, offers the Alkeo-C application which is based on the principal of covering over the solid waste which is collected from settlements, after it is transferred and discharged at the processing area,- preferably after it has been arranged with the aid of machinery- and with the calcium based eco-friendly Alkeo- Hydrate disinfectant, in order to eliminate odour, flies and visual pollution.

This application, in which Alkeo-Hydrate disinfectant is used, whether in solution or powder form, taking into account the seasons and the wind, ensures the disinfection and stabilization of solid waste areas and the elimination of pathogenic micro organisms, present in the rubbish, that cause disease, and prevents the breeding of flies and unwanted odours.

Alkeo-Hydrate should be applied so as to form a covering of sufficient thickness taking into account the characteristics of the area over which it is going to be applied.



Alkeo-C mobile equipment system



Covering over of a solid waste site with Alkeo-Hydrate disinfectant in solution form



Covering over of a solid waste site with Alkeo-Hydrate disinfectant in powder