



## OSBERSTOWN SLUDGE TREATMENT CENTRE

Provision of a New Sludge Treatment and Re-use Facility for County Kildare

**Client: Kildare County Council**

### SUMMARY:

**Value:** €13 million

**Status:** Under Construction

### Services Provided:

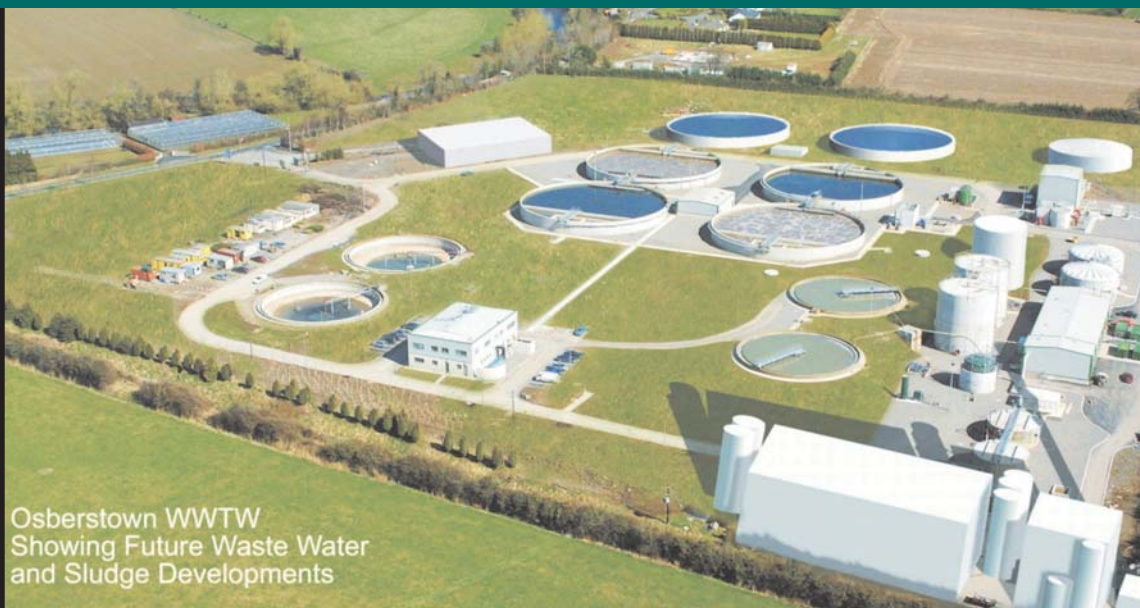
Preliminary Design  
 Environmental Impact Statement  
 Tender Documents and Evaluation  
 Construction Supervision

The Sewage Sludge Treatment Facility (SSTF) at Osberstown is a new development currently under construction to treat sewage sludge cake from wastewater treatment plants in County Kildare. The SSTF will be the hub centre for County Kildare in accordance with the recommendations of the Sludge Management Plan for the County. The site for the SSTF is within the existing Osberstown Wastewater Treatment Plant site which is near Naas.

The SSTF is designed to be capable of accepting, treating and utilising 8,210 tds/annum of sludge (equivalent to 330,000 people), at an average of 18% dry solids. The SSTF must meet strict environmental criteria as set out in the Environmental Impact Statement for the scheme. The Environmental Impact Statement limits the air, odour and noise emissions and the visual and other environmental impacts of the SSTF.

The sludge treatment process consists of a thermal drying facility capable of drying sludge to 92% dry solids. The nutritional value of dried product may be realised in a wide variety of agricultural, horticultural and land conditioning applications. Dried sludge also has a significant energy value as a fuel.

Sludge acceptance and storage facilities are provided as an integral part of this process. This includes for a fully enclosed sludge acceptance area, sludge cake and dried sludge storage silos and a bagging facility. The contract has been let on a Design, Build and Operate basis. The contract for the Design and Build of the SSTF commenced in July 2005 and is due to be complete in June 2007. The SSTF will then be operated and maintained by the contractor for a period of 20 years.



Osberstown WWTW  
 Showing Future Waste Water  
 and Sludge Developments



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