



LEIXLIP WATER TREATMENT PLANT EXPANSION - STAGE 4

175 MLD Water Treatment Plant

Client: Fingal County Council

SUMMARY:

Value: €43 million
Status: Complete
Remarks: 1st membrane filter presses installed in Ireland. Specified minimum dry solids content of sludge cake: 25%

Services Provided:
 Preliminary Report
 Detailed Design
 Project Management

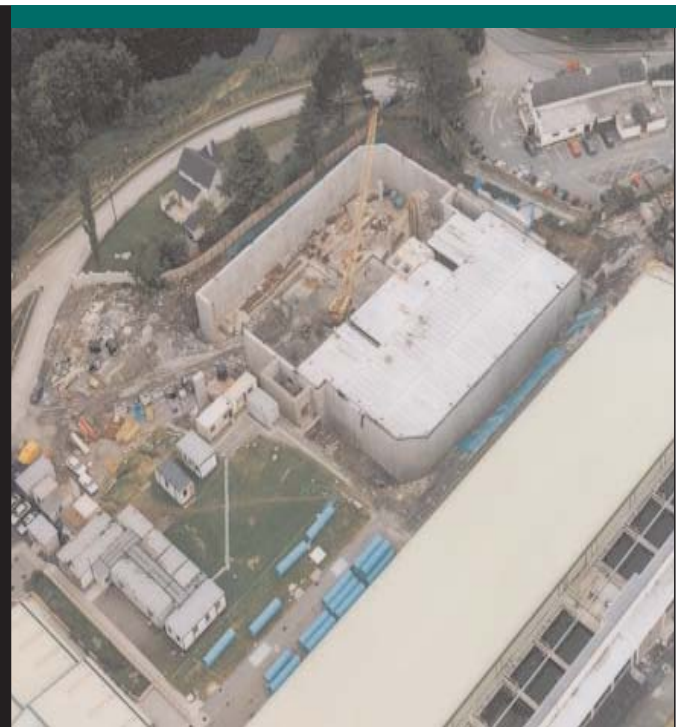
Nicholas O'Dwyer were consultants for the original Leixlip Water Treatment Plant (Stage 1) which was constructed in the 1960's. This involvement has continued over the past 40 years through the completion plant augmentation schemes in the 1970's, 1980's and 1990's. The latest phase to be completed was the Leixlip Water Treatment Plant Augmentation - Stage 4 in the late 1990's.

Under the Stage 4 Expansion, the capacity of the plant was increased from 100MLD to 175MLD. Nicholas O'Dwyer were responsible for the design and project management of the new Intake System, the new Clear Water Tank, and High Lift Pumping Stations and the Sludge Processing and Dewatering Plant. The 2no. 2m x 2m membrane type filter plate presses were the first of this type of press to be installed in Ireland.

In 2004, Nicholas O'Dwyer were appointed Lead Consultants for the next stage of development at the Leixlip Plant : Leixlip Water Treatment Plant Expansion - Stage 5.



Membrane Type Sludge Presses



Clear Water Tank under construction