



SHANNON AIRPORT

Provision of Transfer Pumping Station and new Wastewater Treatment Works

Client: Dublin Airport Authority

SUMMARY:

Value: €2.8 million

Status: Under Construction

Services Provided:

Preliminary Report, Planning, Environmental Reports
Prequalification of Tenders
Contract Documents, Project Management

Dublin Airport Authority (formerly Aer Rianta) appointed Nicholas O'Dwyer to act as Employer's Representative to enable the construction of a new wastewater treatment works at their facility at Shannon Airport in Co.Clare.

The WwTW will be located on Dernish Island which is a flat site south of the terminal with an embankment to the east and surrounded by a wide flood plain. Flows from the Airport will be intercepted and pumped to the new WwTW. The effluent will be pumped from the WwTW to the existing outfall for discharge to the Shannon Estuary.

A Planning Application was lodged based on an indicative layout. As the area is a Special Area of Conservation, National Heritage Area and Special Protection Area, various wildlife and ecological studies were carried out to ensure that the impact of construction and operation of the works on the local environment is mitigated.

After the planning approval, contract documents

were prepared based on a Design Build and Operate Strategy. During formulation of contract documents an "open box" approach was adopted in order to promote innovation with the WwTW design, and thus ensure value for money was achieved. The result of this was that the planning conditions and discharge licence were the primary drivers in the Technical Specification.

A select number of tenderers were chosen following a pre-qualification stage under a negotiated tender procedure. Following negotiation, a Design Build Operate Contractor was selected to construct and operate the works for a period of 20 years. The contract commenced in September 2005 and Nicholas O'Dwyer are providing a full supervision service.

The WwTW will considerably improve the quality of effluent discharges from the facility into the estuary and will ensure the long term sustainability of Shannon Airport.

