



RIVER BARROW ABSTRACTION SCHEME

40,000m³/day Water Treatment Plant, Pumping Stations, Rising Mains

Client: Kildare County Council

SUMMARY:

Value: €44 million

Status: Tender Stage (Srowland Water Treatment Plant)
Detail Design (Rising Mains)

Services Provided:

Preliminary Report, Preparation of EIS,
Design Review Report, Detailed Design,
Project Management,
Project Supervisor Design Process (PSDP)

The River Barrow Abstraction Scheme involves the construction of a new 40,000m³/day Water Treatment Plant at Srowland, Athy, Co. Kildare, the laying of approximately 7.5km each of 400mm and 700mm diameter rising mains from Srowland to Ardscurr and the carrying out of improvement works to Bagenalstown Lock at Bagenalstown, Co. Carlow. The water treatment plant is currently being procured under DBO procedure while the rising mains and the improvement works to Bagenalstown Lock are being procured under a Traditional Contract. An advance contract for the construction of an ESB Building was procured under a traditional contract as part of this scheme. The main components of the works are:

Srowland Water Treatment Plant:

- Intake and Raw Water Pumping Station
- 120,000m³ Raw Water Storage Reservoir
- Clear Water Storage Tank
- 40,000m³/day Water Treatment Plant.
- Sludge Dewatering Facilities
- Administration, Control & Chemical Building
- Site Works & Roads

High Lift Pumping Stations:

- Pumping Station at Srowland WTP with duty /standby pumps to feed Old Kilcullen Reservoir
- Pumping Station at Srowland WTP with duty /standby pumps to feed Ardscurr Reservoir

Pipelines:

- 7.5km of 700mm diameter rising main to Ardscurr to feed Old Kilcullen Reservoir
- 7.5km of 400mm diameter rising main to feed Ardscurr Reservoir
- Pipe fittings, instrumentation and chambers

Associated Works:

An ESB Distribution Building was constructed under an advance Contract as part of this scheme. The Improvement Works to Bagenalstown Lock are current being procured.

