

Reservoir Refurbishment-

DRD Water Service-Southern Reservoirs



Larsen successfully tendered for the rehabilitation of eight, existing underground service reservoirs across the Southern Region (Tyrone, Armagh, Down) which involved the provision of watertight, potable water structures. The objective of the refurbishment works were to extend the life of the structures by fifteen years to first maintenance through concrete repair and the application of

protective coatings. Repair and coating works were carried out with DWI approved materials for all internal works.

Working concurrently on various reservoirs involved:

- Survey and investigative works to the existing structure;
- Structure testing;
- Cut out and reinstate defective areas including treatment of reinforcement;
- Application of fairing coat to surfaces;
- Joint sealing to all construction and expansion joints;

Project Details:

Client: DRD Water Service NI

Main Contractor:
Larsen Contracts Ltd

Application:
Copen DWI Approved Coatings, Concrete repair

Market:
Civil, Utilities

- Excavation works were required to expose the concrete roof structure to which we prepared and installed a waterproof membrane. Subsequently, a geocomposite drainage layer was installed followed by reinstatement of the excavated material;
- Pipework repair and replacement;
- Replacement of existing access ladders; and
- DWI baffle curtains were installed at one site.

All internal works were carried out in accordance with The Confined Spaces Regulations

