

Project Profile



Project: Esholt WWTW FFD Tank Repairs

Client: Yorkshire Water PLC



APA Concrete Repairs Ltd were employed to undertake repair works to two primary settlement tanks at Esholt Waste Water Treatment Works in Bradford. The repairs formed part of the Freshwater Fish Directive Scheme as part of Yorkshire Water's AMP 5 (Asset Management Plan).

Both settlement tanks were showing signs of wear, particularly the tops and sides of walls where the concrete was friable and had broken down at the surface to leave an exposed aggregate finish, as opposed to the original smooth surface finish desired by the client. Maintaining the original profile on the tops of the walls was of great importance due to the contact that they are subjected from the wheel of sludge agitator boom, which constantly runs directly over the wall tops, around each tank's circumference.

APA Concrete Repairs Ltd delivered a programme of restoration and protection that involved the installation of fixed scaffolding platforms inside each tank after which they prepared the walls using wet abrasive blasting, before applying a specialist re-profiling mortar and subsequently a protective coating system in order to maintain the service life of the tanks and reduce future 'life cycle' maintenance costs.



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