



Leak Sealing & Waterproofing • Concrete Repairs • Crack Injection • Pressure Pointing & Grouting • Structure Condition Surveys • Protective Coatings • Joint Sealing
Diamond Drilling & Sawing • Concrete Bursting & Crunching • Robotic Demolition

Scheme: **Bottoms (Macclesfield) Impounding Reservoir**

Problem: **Loss of integrity in spillway pitching due to erosion of mortar from joints**

Solution: **Complete renewal of mortar pointing between pitching blocks and in side walls**

Client: **United Utilities Water**

Works duration: **6 weeks**

Contract value: **£53,400.00**

Date: **June 2011**

As part of ongoing assessment and maintenance of all United Utilities Water’s impounding reservoir spillway structures, Ram Services Limited were asked to formulate proposals for refurbishment of the existing masonry spillway at Bottoms IR, close to Macclesfield.

The Ram Services Limited team raked out all the remaining mortar from the joints in the masonry section of the spillway, and in sections of the walls alongside, before flushing them clean with high pressure water jets, and then restoring loss integrity by infilling the joints with a durable proprietary cementitious mortar.

Sections of vertical joint in spillway steps were left open to allow ground water pressures beneath the spillway to be relieved where necessary.

Ram Services Limited has completed similar schemes elsewhere for United Utilities Water, Yorkshire Water and Dŵr Cymru Welsh Water.

