

## Improving Resilience at Handcross WwTW

Installation of the McGill Distributor revitalises an ailing works.



McGill Distributor installation at Handcross WwTW

*“Installation of the McGill Distributor has improved the reliability of this WwTW”*  
**Southern Water Process Scientist**

### Scope

Three McGill Distributors were installed to replace existing syphonic driven rotary arms at Handcross WwTW.

### Challenge

Treatment across the three filter beds was being inhibited by unreliable operation of the syphons and sparge hole blockage. The works had become dependent on a constant effluent pumped return to ensure rotation of the distributor arms, but at the cost of additional energy consumption and regular surcharging of the primary tank weir. A solution was required capable of delivering reliable rotation across all site flow conditions.

### Outcomes

Installation of the McGill Distributor has delivered a reliable rotation and distribution solution, restoring the existing filter beds to their fullest treatment capability. Removal of the additional pumped returns has addressed surcharging of the primary tank weir and reduced operational energy consumption at the works.

