

Improving Resilience at Iden WwTW

Installation of the McGill Distributor delivers a resilient rotation solution.



McGill Distributor installation at Iden WwTW

“The McGill Distributor was installed to improve rotations in windy conditions... since installation underlying ammonia has definitely improved”

Southern Water Process Scientist

Scope

Two McGill Distributors were installed to replace existing syphonic driven rotary arms at Iden WwTW.

Challenge

The existing rotary arms were struggling to retain rotation during windy conditions. A solution was required capable of delivering reliable rotation unaffected by local climatic conditions.

Outcomes

Installation of the McGill Distributor has delivered a blockage resilient and reliable zero energy rotation solution for flows that have ranged from 0.3l/s to 30l/s; unimpeded by local climatic conditions.

This combination of consistent rotations and resilient distribution, across the full diameter of the filter, has ensured the fullest activation of the filter media and translated into improved nitrification occurring within the filter beds.

