



Bedford Pumps provide North Lynn P.S. with Fish Friendly Upgrade

Bedford Pumps Ltd, the UK's leading manufacturer of high-capacity pumps for land drainage and flood control, has successfully completed the commissioning of two of their fish friendly pumpsets for Kings Lynn Internal Drainage Board at North Lynn Pumping Station.

North Lynn P.S, located in the North West of Kings Lynn near to the East Bank of the River Great Ouse, was built in 1989 and provides water level management to a catchment of approximately 590 hectares. The pumping station had been operating with just one pump which was coming to the end of its service life, but also required additional pumping capacity.

Bedford Pumps manufactured two canister mounted submersible type fish friendly pumps complete with 80 kW motors for North Lynn P.S. One pump and canister was installed as a direct replacement to the existing equipment, and the other into the extra pump bay that was part of the original station design but had remained empty for over 30 years. Bedford Pumps designed the canisters and discharge pipework to fit the scheme. The scope of supply also included the control panels, VFDs, all pipework including modifications to the existing surge tank access, suction splitters, siphon breaker valves, condition monitoring devices, installation, commissioning, and site verification testing.

Bedford Pumps were delighted to work once again with Kings Lynn Internal Drainage Board and consultants Stantec, to provide pumps to North Lynn which each provided a duty of 850 l/s at 5m head, whilst satisfying the eel regulations requirement on site. The pumps, which have been rated as "Excellent" in an independent trial designed to assess their ability to comply with the Eel Regulations, not only offer a safe passage to fish and eels but also provide enhanced life, lower maintenance costs and improved efficiencies, resulting in the lowest total cost of ownership.



Fig 1. North Lynn Pumping Station



Fig 2. North Lynn Pumping Station