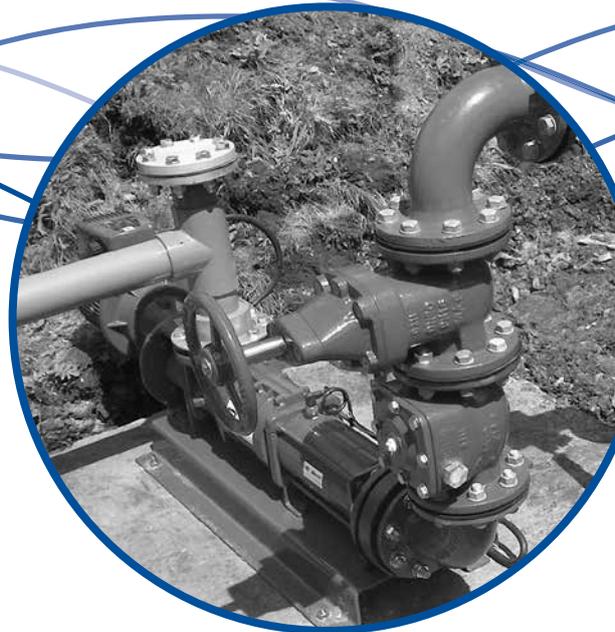


MONO COMPLETES PROJECT TO ENSURE QUALITY LEVELS FOR WELSH WATER



NOV Mono has delivered a turnkey project to provide an extra level of protection for a major water and waste treatment plant in Pembrokeshire, Wales. The project centers on an EZstrip™ progressing cavity pump which is now being used on sewage transfer duties to ensure that the plant can guarantee the quality of the treated sewage under any flow conditions.

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|-------------|---------------------------------|
| Equipment: | 1 x Z16AC EZstrip transfer pump |
| Product: | Final effluent |
| Drive: | 4kW motor |
| Pump Speed: | 226 rpm |

Powered by a 4kW motor and operating at a duty speed of 226 rpm, the EZstrip pump draws sewage from the centre of the final settlement tank at Dwr Cymru's Crymych treatment plant. It pumps the sewage back up to the head of the treatment system, from where it returns back through the filter bed to the final tank. This ensures that the plant's biological filters do not dry out and remain effective even in very low flow conditions. This in turn helps to maintain the quality of the final sewage within the required boundaries, at all times.

Dwr Cymru approached NOV Mono because of its ability to provide a full turnkey package which covered all the stages, from initial site survey, design and manufacture, through to full mechanical and electrical installation. "Mono did an excellent job on this project," says Steve Hewett from Dwr Cymru's Capital Delivery team.

"Initially we had worked out a specification for the recirculating system ourselves. When Mono completed the same exercise, they arrived at the same conclusion which was extremely reassuring. They then worked with our civil contractor and managed every aspect. Mono installed the pump, suction pipe, rising main, control panel, overpressure and high temperature devices and completed the final testing

and commissioning. From our point-of-view, that made the whole process completely pain-free."

Steve was also impressed with the actual quality of the work. "Not only did Mono handle both the electrical and mechanical sides of the work, but they completed everything to a very high standard too. We've since completed a very similar project with Mono at our Lamphey treatment plant and again the results were excellent."

The progressing cavity pump at the centre of the Crymych project features Mono's revolutionary EZstrip design which allows it to be maintained-in-place. This provides a quick and easy way to disassemble, de-rag and maintain the pump without the need to disconnect suction and discharge pipework. This reduces a typical day-long maintenance operation down to just 30 minutes. Available in cast iron or stainless steel, and with a choice of rotor and stator materials, the pump requires only basic tools to maintain, and can be retrofitted into existing installations where a Mono Compact C pump has been used previously.



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