



**ANDREWS  
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0800 211 611



CASE STUDY

# Overpumping Solution from Sykes Pumps on Major Sewage Treatment Works

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## CASE STUDY

# Overpumping Solution from Sykes Pumps on Major Sewage Treatment Works

During critical maintenance work on penstocks at a sewage treatment facility in Leicester, a major task prevailed: ensuring the uninterrupted flow of discharge while key infrastructure was offline. Luckily, Sykes Pumps was able to assist!



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## Need a pumping solution in your sector?

Sykes Pumps are here to cater for your overpumping needs for the Water and Waste Treatment sector. Speak to our team today!

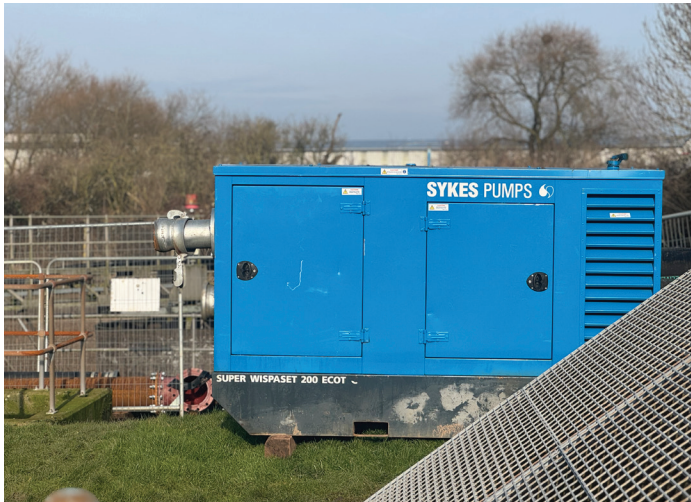


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## 1 CHALLENGE

A key challenge was creating a set up that would be able to handle a wide range of flow rates, ranging from 100-300 litres per second, all while the main infrastructure was temporarily offline. This was a large-scale operation, therefore there needed to be multiple layers of security involved.



## 3 OUTCOME

Throughout the entire process the Sykes Pumps, collaborated closely with the team on site, ensuring the process was conducted quickly and without any operational delays.

Once installed, the system performed exactly to spec and continues to operate reliably. The high-capacity, fully monitored overpumping solution is expected to remain on long-term hire throughout the duration of the penstock work. With digital monitoring and robust fail-safes in place, there is full confidence in the system's performance.



## 2 SOLUTION

Sykes Pumps devised an overpumping framework. We deployed a XFP301M Electric Submersible Wastewater Pump as the main pump, with another inline as a duty back up. All flow was routed on a 300mm pipework to accommodate the high volumes of flow. An 8-inch super silenced diesel pump was also installed, as a high-level backup.

The entire setup was controlled using variable speed drive panels and managed by ultrasonic float controls. To monitor system performance, we integrated full telemetry support and digital flow meters.







# Need help with pumping and water treatment solutions in your sector?

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