



Lisvane and Llanishen Reservoirs

Update Newsletter



June 2019

Hello.....

We are working to restore Llanishen and Lisvane reservoirs to their former glory, and we're making good progress.

In this newsletter you will find out a bit more about the work that has been taking place and what is planned for the next few months. We hope you find the information useful.

Refilling Llanishen reservoir

We have started refilling Llanishen reservoir now, using a combination of rainwater and the local streams that feed into it.

The refill process can take up to two years, so we have carried out all of the necessary repairs to the reservoir basin first. While the reservoir refills, we will continue with our work above ground.

We haven't needed to completely drain Lisvane reservoir, just reduce the levels by around 2 metres, so it remains nearly full. However we have carried out restoration works, clearing the overgrown vegetation and repairing some of the damaged stone pitching.

Laying new pipes

We are laying a new water pipe along the eastern side of Llanishen reservoir, which will help to improve the resilience of the water supply to our customers in Cardiff for years to come.



Excavations to isolate the live water main

This work is taking longer than we anticipated, as we needed to isolate an important live water main supplying water to thousands of customers in Cardiff.



The team prepare to refill the reservoir

We have now isolated the live water main successfully, and so on 4th March we were able to start laying the new pipes. This work is just about complete and we are sorry for the delay there has been.

While we carry out this work, the field access off Rhyd-y-Penau road will remain open.

However we recommend that walkers without suitable footwear use our Black Oak Road diversion, which is clearly



The water main has been isolated successfully

signposted locally.



Work has been carried out without the need to drain Lisvane reservoir



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The new screen ready to be positioned in the entrance to the tunnel

Renewing the valve tower

We have renewed all the valves and pipework within the valve tower, so that it will be more resilient in the future. The valve tower is used to control and maintain the water levels in Llanishen reservoir, and will also draw raw water

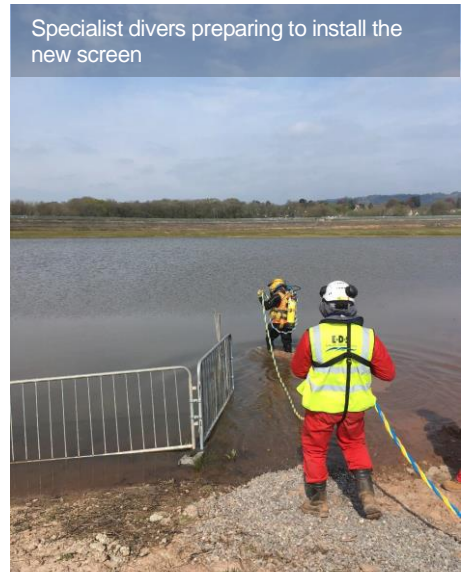
out to supply Celsa Steelworks, once the reservoir is full again.

We have used 3D modelling to help us in our plans to renew all of the pipework and valves in the tower. The models help to illustrate the different levels in the tower so that the team can see all of the valves and pipework clearly.

Divers

We recently brought in a specialist team of divers to carry out works inside one of the tunnels (scour inlet tunnel).

The team of five experienced divers from Caerphilly based Edwards Diving Services were brought in to install a new screen which will prevent debris from getting into the tunnel.



Specialist divers preparing to install the new screen



The new screen was lowered into place using an excavator

Future facilities

While we working hard to restore the reservoirs, we have also been busy developing plans for public access and recreation in the future. Whilst we are hoping to be able to share our proposals with you very soon, there is still time for you to have your say. Either drop your idea into our suggestion box at Llanishen Community Hub, or let us know via email lsvaneandllanishen@dwrcymru.com.

You can also give Gwyn a call on 01443 452452, with suggestions, or with any questions about the work going on at the reservoirs.