

Press release: Thames Barrier to close due to high tide

Communities are warned to be prepared for a coastal surge which is forecast today. As a precaution the Environment Agency will close the Thames Barrier at 10am and re-open it at 4pm (5 October 2017) to reduce the risk of possible flooding in London and along the Thames catchment.

During today's closure the Thames Barrier, along with the associated gates and embankments, will be operating as part of our network of defences, protecting over 550,000 properties. The Thames Barrier is one of the largest moveable flood barriers in the world, protecting 125 square kilometres of central London.

It stretches 520 metres across the River Thames at Charlton and each gate takes 10 to 15 minutes to close (1.5 hours for total closure), and the control room is manned 24 hours a day, every day of the year.

Andrew Batchelor, Thames Barrier Manager said:

We are closing the Thames Barrier to protect London from the threat of flooding due to high water levels around the time of high tides from the sea.

Practical advice on preparing for flooding can be found on [GOV.UK](https://www.gov.uk) or by calling Floodline on 0345 988 1188. Communities can also follow us on Twitter at [@EnvAgencySE](https://twitter.com/EnvAgencySE) and #floodaware for the latest flood updates.

For all media enquiries please contact 0800 141 2743 or email southeastpressofficel@environment-agency.gov.uk.

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Notice: PR7 1NH, Ruttle Plant Holdings Limited: environmental permit application advertisement

The Environment Agency consults the public on certain applications for waste operations, mining waste operations, installations, water discharge and groundwater activities. The arrangements are explained in its [Public Participation Statement](#)

These notices explain:

- what the application is about
- how to view the application documents
- when you need to comment by

The Environment Agency will decide:

- whether to grant or refuse the application
- what conditions to include in the permit (if granted)

Press release: £50 million flood defence scheme opens in Leeds

A £50 million flood alleviation scheme in Leeds which uses moveable weir technology – a first for flood risk reduction in the UK – has opened today (4 October 2017).

The first phase of the award-winning Leeds Flood Alleviation Scheme not only uses state-of-the-art flood defence engineering techniques but is one of the largest river flood alleviation schemes in the country.

Led by Leeds City Council in partnership with the Environment Agency, the scheme will provide more than 3,000 homes, 500 businesses and 300 acres of development land with increased protection against flooding from the River Aire and Hol Beck.

More than 22,000 jobs will be safeguarded over the next 10 years due to the increased level of protection and through the scheme's development and construction, 150 jobs and apprenticeships have been created.

It comprises three main elements: state-of-the-art mechanical weirs, the merging of the river and canal and flood walls and embankments stretching 4.5km through the city centre.

The scheme, which sees work on the River Aire now substantially complete and work at Holbeck continuing into autumn, is being officially opened by the Leader of the Council, Councillor Judith Blake CBE and Chair of the Environment Agency, Emma Howard Boyd.

Multiple funding streams have contributed towards the cost of this £50 million scheme, including £35 million of government Grant in Aid funding alongside £10 million of local funding from Leeds City Council and partnership funding from Leeds City Region Enterprise Partnership and others. Government is spending £2.5 billion to protect a further 300,000 homes by 2021.

Leader of Leeds City Council Judith Blake CBE said:

We are delighted to see this much-needed first phase of the Leeds Flood Alleviation Scheme opened. As could be seen by the devastation at Christmas 2015, providing increased flood protection in Leeds is essential in terms of reassuring our residents and businesses, and this fantastic state-of-the-art scheme provides it for the city centre and downstream at Woodlesford. The clever use of the mechanical weirs is a brilliant idea, and they have also brought about environmental benefits with the improved river

quality bringing salmon and otters, while the new bridge looks stunning offering great views of the river and beyond as part of the Trans Pennine Trail.

We'd like to thank everyone involved in this phase of the scheme and look forward to developing the plans for phase two and beyond, as only through an entire catchment and citywide approach can we protect all communities in Leeds from the threat of flooding.

Chair of the Environment Agency, Emma Howard Boyd said:

This ground-breaking scheme will not only benefit hundreds of homes and businesses in the city but it will also safeguard 22,000 jobs over the next 10 years due to the increased level of protection it provides. It's been great to see Leeds City Council and the Environment Agency working together in partnership to better protect the city – and it is one of many schemes in the Defra programme investing £430 million to reduce flood risk across Yorkshire before 2021.

We're always looking for new ways that we can use technology to reduce flood risk so it's exciting that this scheme is also a first for flood risk management in the UK thanks to the use of the moveable weirs which can be lowered when river levels are high. On a day-to-day basis, people won't even know they are being protected, and they can enjoy the river which is a key aspect of the city's South Bank regeneration plans.

Floods minister, Thérèse Coffey said:

No one can forget the devastating flooding residents and businesses in Leeds faced nearly two years ago. We know how distressing flooding is for all those affected and I'm delighted that through this new state-of-the art £50 million scheme thousands more people living and working in Leeds will be better protected.

Our commitment to strengthening flood defences across Yorkshire doesn't stop here – we are investing £430 million over six years up until 2021 to better protect the region using the best technology and engineering available.

It is the first time that moveable weirs have been used in the UK for flood alleviation purposes. The new weir gates are supported by giant inflatable neoprene bladders that can be lowered when high river flows are expected. It takes around two hours for the gates to lower, and thanks to the installation of these weir gates, it has been possible to keep flood defence wall heights to a minimum so as not to spoil views of the city centre waterfront.

The weirs have been installed at Crown Point in the city centre and further downstream at Knostrop, where a new locally manufactured bridge has been installed across the weir connecting the diverted Trans Pennine Trail with the north bank of the river.

Weighing approximately 150 tonnes and spanning approximately 70 metres, the bridge has been designed by Knight Architects, ARUP and BMMjv (a joint venture between BAM Nuttall and Mott MacDonald). It has been positioned to provide dramatic views of the weir gates. The very narrow piers and curving underside of the bridge deck are designed to give the bridge a slender appearance when viewed from up or downstream.

The new footbridge reconnects the much-used Trans Pennine Trail to the north bank of the river, providing users with a gateway into Leeds.

In addition to these measures, the removal of a manmade island, known locally at Knostrop Cut, which separated the canal and river has been removed to improve a bottleneck for flows. 180,000 tonnes of material excavated from the site has been reused on a local development site and also on diverting the Trans Pennine Trail which previously went across the manmade island. Reusing this material has saved the project in the region of £6 million.

The earlier stages of the scheme included work at Woodlesford further downstream, which were completed in 2015 and proved effective during the December 2015 floods.

Environmental enhancements have been integral within the scheme design with fish and eel passes installed at both weirs.

Weirs have previously been barriers, preventing species such as salmon migrating from the sea to the spawning grounds further up the river. Salmon have recently been spotted in the River Aire for the first time in 200 years, and now that fish passes have been installed on Knostrop and Crown Point weirs, as well as others on the River Aire, it is hoped that chances of a spawning population of salmon in the river in future will be increased.

Otter ramps and holts have also been installed and will support the local population and 700 trees will be planted along the Trans Pennine Trail later this autumn.

Roger Marsh OBE, Chair of the Leeds City Region Enterprise Partnership (LEP), said:

The LEP, alongside Leeds City Council, the Environment Agency and other funding partners, moved quickly to improve flood protection in Leeds following the Boxing Day floods of 2015.

Local Growth Deal funding into the flood alleviation scheme helped to improve the standard of protection for the city while our £5m Business Flood Recovery Fund, launched just weeks after floods hit, supported businesses to reopen and local SMEs to get back on their feet.

Safeguarding businesses and residents from issues such as flooding is integral to growing an economy and the opening of the Leeds Flood Alleviation Scheme Phase One today is a huge step forward in helping businesses flourish in what is fast becoming one of the busiest economic areas of the City Region.

December 2015 saw Leeds experience significant and widespread flooding with some of the highest river levels ever recorded. The flooding affected nearly 3,000 residential properties (including indirect impacts to high-rise accommodation) and 700 commercial properties.

A consultation on the second phase of the Leeds Flood Alleviation Scheme is now open until 16 November, to provide increased flood protection to communities upstream of the city centre. proposals include measures further upstream including the Kirkstall corridor which was badly hit by the floods as well as Stourton, an industrial area that was badly affected on Boxing Day 2015.

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