

Lime Kiln Bay Wetland Wet weather overflow project

October 2014

Sydney Water became aware that wet weather overflows at the Lime Kiln Bay wetland were affecting the local community's enjoyment of the area. In late 2013, we engaged with the local community and key stakeholders to identify the best option to reduce the frequency of wet weather overflows at the Lime Kiln Bay emergency relief structure (ERS).

The solution

Based on feedback from the local community, we will be modifying the existing ERS at Lime Kiln Bay wetland. The modification will reduce the frequency and volume of wet weather overflows into the wetland. It will also have a positive effect on the odour and visual amenity for users of Oatley Heights Park and local residents due to less wet weather overflows entering the wetland.

For more information on work done to date visit: sydneywatertalk.com.au/limekilnbay

The work

Work at the Lime Kiln Bay wetland ERS will include:

- setting up the site construction
- isolating the ERS from the wastewater system
- modifying the ERS so that it takes longer to spill and stops sooner
- reinstating the ERS and the area around it.

Construction is planned to start in late 2014 and will take up to 12 weeks to complete (weather permitting). We will provide updates on progress and timing.

What's an ERS?

Wastewater emergency relief structures (ERS), like the one that releases into the Lime Kiln Bay Wetland, are an important part of Sydney Water's wastewater system. They ensure wet weather overflows from the wastewater system do not enter properties and parklands.

Location



For more information visit www.sydneywater.com.au

Review of Environmental Factors

Sydney Water has assessed the environmental impacts of the proposed work. These are outlined in the project's review of environmental factors (REF).

The REF found a low potential for environmental impacts and outlines measures to minimise construction and operational impacts.

During construction

Impacts to users of Oatley Heights Park and local residents could include:

- localised and temporary noise, odour, traffic and visual impacts
- potential removal of one prickly leaved paperbark tree
- temporary pedestrian access restrictions to the footbridge over Dairy Creek.

Impact on any vulnerable, endangered or critically endangered flora and fauna species or Aboriginal or European heritage is unlikely.

A construction environmental management plan will be used to help minimise the impacts.

During operation

The work will significantly reduce the volume and frequency of overflows at Lime Kiln Bay wetland. There will be no frequency changes to other ERS's within the area. Overall, there will be a minor reduction in the volume of wet weather overflows into the Georges River.

There will be some increases to the volume of overflows up and downstream of the Lime Kiln Bay wetland. These increases are only expected to occur in extreme wet weather events and will be highly diluted by stormwater. We don't believe these increases will have a significant impact on the water quality of the Georges River.

For further information download a copy of the REF at: sydneywatertalk.com.au/limekilnbay

Water quality monitoring

In August 2014, we started the Lime Kiln Bay Water Quality Monitoring Program to monitor if the work will impact on water quality in Lime Kiln Bay. Regular water samples are being taken from eight sampling sites to measure key water quality parameters such as nutrients (nitrogen and phosphorus), metals, bacteria (Enterococci), caffeine and pharmaceuticals. Monitoring will continue for 12 months, before, during and after the work is finished.

Results will be made available online at: sydneywatertalk.com.au/limekilnbay

To know more

Drop in and talk to the project team on Thursday, 16 October 2014 between 4.00 and 6.00 pm at the Mortdale Scout Hall, 2 Glen Rd, Mortdale, NSW, 2223.

Call: 1800 624 914

Email: jessica.wallwork@rpsgroup.com.au

Visit: sydneywatertalk.com.au/limekilnbay

Monitoring sites

