

Fact Sheet

## **Nudgee Recreation Reserve Improvement project Remediation Works**

### **WHY IS THIS WORK HAPPENING?**

The Reserve was a former landfill in the 1970s. The remediation standards applied back then were different to today’s standards.

In the past, this has resulted in the batters of the landfill having no cap and vegetation being planted directly into the waste pile.

![At the base of the diagram is a brown section with the text Natural Ground 
There is a blue line flowing going across and down which has text that says Ground water level normal days
Above this is a speckled background which has the text  Waste 
A blue line going through with text that says Ground water level- prolonged rains
Above this is a smaller speckled brown area that has text which says  Landfill Cap
A thick green line runs across the dop of the diagram and slopes downwards
Blue arrows run across the top and down the side – representing ground water
On the right hand slope there are two pictures of trees. The tree roots are half on the green line and part in the speckled waste. 
]()Leachate is the contaminated liquid that is created from water filtering through waste. Almost all old landfills do not have leachate containment systems.

# Nudgee Recreation Reserve: Existing Condition

Leachate volume depends on:

* Rainfall intensity and duration
* Permeability of landfill cap

Leachate toxicity depends on:

* Age of landfill
* Waste composition
* Climate / temperature

**Any leachate generated from the site has the potential to make its way directly into Nundah Creek.**

### **WHAT DOES THIS WORK INCLUDE?**

As part of the remediation works, Council will need to clear a significant amount of vegetation that borders the railway line, including trees and undergrowth.

This is required to allow full remediation and capping of the waste pile and landfill batters that extend into this vegetation. This cap will assist to provide a barrier to the waste and prevent further leachate generation within the landfill.

Where appropriate, planting of vegetation above the landfill cap will be incorporated as part of the works. This will generally be low scale shrubs so that roots do not re-enter into the capped waste pile.

At the base of the diagram is a brown section with the text Natural Ground 
Above this is a speckled background which has the text  Waste 
Above this is a smaller speckled brown area that has text which says  Landfill Cap
Along the side is a speckled brown area with text that says Landfill Batter



# Nudgee Recreation Reserve: Planned Condition

**Remediation works will improve environmental outcomes and health and safety for the general public.**

### **FOR MORE INFORMATION**

If you would like to read more about this project, please visit brisbane.qld.gov.au and search **‘Nudgee Recreation Reserve** project’

For more information please contact us on:  
**Phone:** 1800 884 681 (business hours)   
**After hours:** 3403 8888