

Transport for NSW M6 Stage 1

Managing odour at Bicentennial Park

The M6 Stage 1 will connect President Avenue at Kogarah to the M8 at Arncliffe via a four-kilometre tunnel, linking southern Sydney to the wider motorway network.

This fact sheet outlines some general information about works at Bicentennial Park about how we will manage leachate (water that has come into contact with waste), landfill gas and odour during construction.



Leachate and odour

At Bicentennial Park, we will be excavating to build the tunnel entry and exit portals as well as building a deep shaft from where tunnelling will take place.

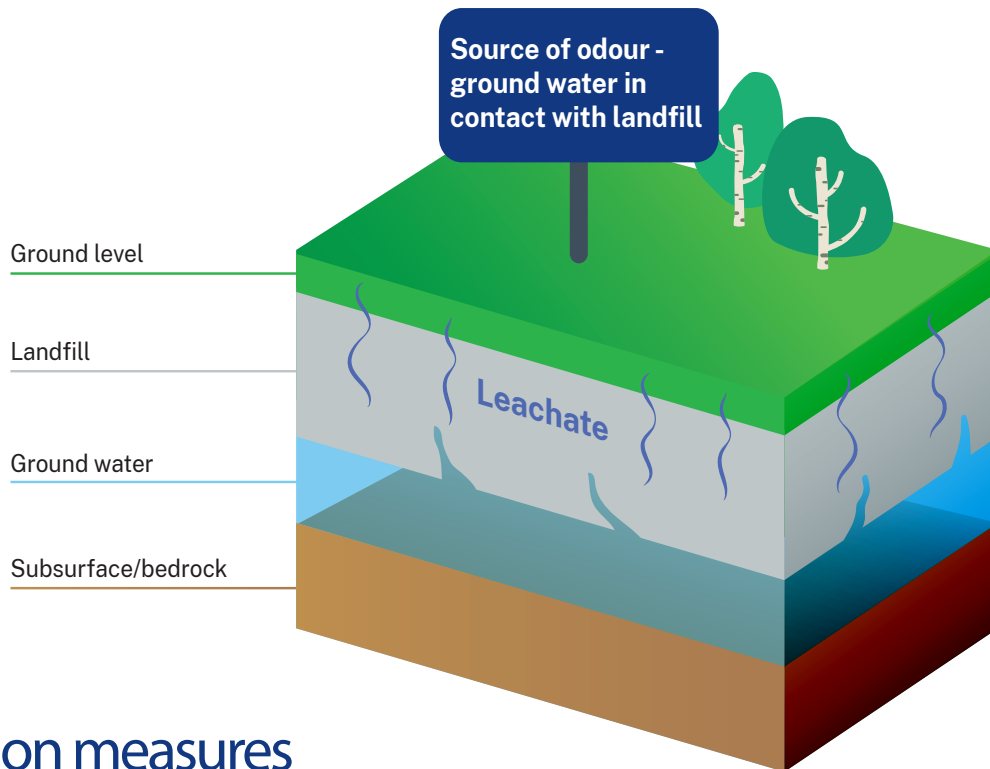
Before Bicentennial Park was established in 1988, the area was used as a large landfill site for household and municipal waste.

The exposure and disturbance of waste has the potential to emit odour. As we excavate, we will likely encounter pockets of leachate, where water has come into contact with waste. This can emit odour from the waste degrading and biological processes, typically from the release of hydrogen sulfide (rotten egg gas) or ammonia.

People can smell hydrogen sulphide gas at very low levels. However, whilst low levels of hydrogen sulphide can result in a strong odour, it is not typically associated with health impacts.

How odour occurs from landfill

Leachate is the name given to water that has been in contact with the landfill. Odour occurs when leachate is exposed to the atmosphere.



Mitigation measures

During construction, we will manage leachate, landfill gas and odour in keeping with our Environmental Protection Licence (EPL), as well as relevant work, health and safety guidelines and standards. An air quality and odour management plan has been developed to manage construction activities to reduce impacts as much as possible.

To help minimise odour we will implement the following measures during construction:

- daily monitoring to identify any sources of odour
- daily review of the site and weather conditions to assess mitigation requirements
- where feasible, modifying works on-site to reduce the impacts (e.g. in high winds)
- limiting exposure of landfill waste and leachate as much as possible
- using an odour suppressant spray system and,
- waste material from the site will be transported to approved waste management facilities.

Go to <https://caportal.com.au/rms/m6> to see relevant environmental plans.

Contact us

If you have any questions or would like more information please contact our project team:

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If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 789 297.