



MORDIALLOC FREEWAY
OCTOBER 2018

ENVIRONMENT EFFECTS STATEMENT



Soils and Contaminated Land

The 9km Mordialloc Freeway will improve access to Melbourne's south-eastern suburbs, completing the missing link from Frankston to Clayton.

We've now undertaken 13 key investigations to fulfil our requirements as part of the Environment Effects Statement (EES).

We engaged a team of technical experts to undertake detailed investigations for the project. Both field assessments and a review of construction methods were carried out to understand how the construction and operation of the freeway could disturb contaminated land in the area. The investigations will help inform how we manage the potential impacts of the project.

The full report of this study is available in Chapter 18: Soils and Contaminated Land of the EES Main Report.

What our studies found

Managing the past

We have identified several locations within the project area that are known to have contaminated land and others that are potentially contaminated.

The freeway will cross an old landfill site just south of the Dingley Bypass that contains contaminated soil, groundwater, and landfill gas and leachate.

We have also identified material that contains low levels of asbestos in a localised lot between Centre Dandenong Road and Mordialloc Creek. Acid sulfate soil is also likely to be present.

During construction of the freeway, we're committed to managing these locations and minimising soil disturbance.

Taking care during construction

During construction, there is potential to activate the acid sulfate soils present while we complete piling works for road bridges and the excavation of trenches.

If disturbed during these works, the acid sulfate soils may become oxidised and leach into nearby water systems. This will be managed through our Acid Sulfate Soils Management Plan.

The plans will be developed in consultation with the Environment Protection Authority (EPA) Victoria and in accordance with relevant regulations, standards and best practice guidelines.

The plans will detail specific monitoring and risk mitigation requirements during construction and operation of the freeway. In the unlikely event acid sulfate soils become activated, the plan will outline the immediate corrective action required.

So that we minimise potential disturbance of these materials, the freeway has been designed to:

- Include structures that penetrate the landfill to avoid creating additional pathways for contaminants to move from leachate to surrounding groundwater
- Avoid excavating by building the freeway on top of the landfill site forming a cap that blocks the gases entering into the atmosphere
- Install a ventilation system to capture the redirected gas to facilitate safe emission that can be maintained during construction and for the operational life of the freeway.

Being accountable for what we do

We have established Environmental Performance Requirements (EPRs), which define the environmental outcomes we will achieve during the design, construction and operation of the Mordialloc Freeway.

Our EPRs will ensure the nearby habitats maintain their ecological values both during and after construction.

A full list of our EPRs can be found in Chapter 18: Soils and Contaminated Land of the EES Main Report.

EES Documentation

You can view the full EES documentation

Online: roadprojects.vic.gov.au/projects/mordialloc-freeway

In person at:

- Mordialloc Freeway Info Hub
- City of Kingston offices
- City of Greater Dandenong offices
- Chelsea Library
- Springvale Library
- State Library of Victoria
- Department of Environment, Land, Water and Planning (Melbourne offices)



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