PROPOSED CELL 21

The **Taylors Road Landfill** is proposing to develop its final cell.
This document aims to provide an overview of the processes involved.

KEY DETAILS ABOUT TAYLORS ROAD LANDFILL'S

APPLICATION PROCESS OVERVIEW

- Prior to the application for the cell, Veolia has undertaken engagement with the immediate businesses and its long term community reference group which includes **community** and **local council** representation.
- The project is now entering the **formal development licence application phase**. The Environment Protection Authority will assess the application and offer the opportunity for community and stakeholder to further address the proposal.
- The development licence application includes assessments of the proposed measures to **comply with the general environmental duty, human health and the environment considerations**, the principles of environment protection according to the Environment Protection Act 2017 and the use of the best available techniques and technologies.
- The cell design is prepared **in accordance with the EPA** reference document Best Practice Environmental Management: Siting, design, operation and rehabilitation of landfills and best practice.
- The cell is designed to be **geotechnically stable for the future** overlying waste mass and has selected liner materials which are specifically suitable for the site conditions and geometry.
- The design process included **detailed technical analysis**, for example, global waste stability, veneer stability of the lining system, infiltration performance, puncture resistance, hydraulic capacity and strength of pipes and landfill gas management.

PROPOSAL OVERVIEW

The Taylors Road Landfill located in Dandenong South has historically accepted both putrescible and reportable priority wastes (RPW).

As South East Melbourne has grown to become Australia's leading manufacturing region, the site has addressed the growing demand for the management of reportable priority wastes and invested in the recovery of resources and safe disposal of RPW.

Currently the site contains the only RPW landfill cell licenced to accept Category B material.

Planning for the next cell is underway. The proposed final landfill cell, Cell 21 aims to further support local industry and effective disposal of RPW.

The application seeks to address existing conditions applied to the site by demonstrating the effectiveness of the proposed cell design and existing landfill infrastructure.

FREQUENTLY ASKED QUESTIONS

1 What is the existing waste percentage condition for Taylors Road Landfill?

The Environment Protection Authority (EPA) seeks to draw from best known practice and can request a proposal adopt these practices by making it a condition in a sites operating licence. Historically a waste percentage condition has been applied to this site, it was believed that combining putrescible and reportable priority waste was a good practice for protecting the integrity of a landfill cell. The idea being that the putrescible waste could protect the cell walls as a cushion from RPW.

Since that condition was applied, the current cell (12C) was created with an EPA approved robust dual composite lining method and cell wall buffer sands as highly engineered controls to protect the integrity of the cell. This cell was specifically designed to manage reportable priority waste.

The effectiveness of the engineered controls in this reportable priority waste-only cell has shown that the combined waste requirement has become unnecessary. Veolia is seeking to remove the licence condition to reflect this improved engineering practice so it can be applied to the final cell.

2 Are there benefits to limiting putrescible waste in the proposed cell?

Yes. Putrescible waste has high organic content (e.g. food scraps) that generates excess landfill gas. Limiting it helps the site minimise gas production. Isolating RPW from putrescible wastes also supports a streamlined waste acceptance procedure.

3 How would this proposal impact the site?

The precinct already has the supporting infrastructure to manage the final cell. The location of the final cell has been planned for and landfill management practices are expected to remain the same. The final cell is only a 2% waste increase to the total landfill volume and it fits within the existing height and footprint.

4 Why is a Development Licence and Operating Licence application required?

To make changes to licence conditions, EPA has varying review mechanisms. A **Development Licence** is required to apply for the creation of Cell 21.

An **Operating Licence** amendment would also be applied for to address the reportable priority waste percentage condition. Cell construction would not start unless both of these items are addressed.

5 What are the consequences if the cell is not approved?

This location is Victoria's only licensed reportable priority waste landfill that can accept up to Category B waste. Without approval the State of Victoria would have to expedite a process of finding a new landfill location to ensure there is a secure disposal location where reportable priority waste can be managed without disruption to community and industry.

The acceptance of this proposal would help give the State of Victoria clarity about how much reportable priority waste capacity Victoria has left and helps to firm up timelines of when landfilling at this location would be completed.

CELL FEATURES & SITE PRACTICES

- **Dual composite lining system** exceeding EPAs Best Practice Environmental Management Guidelines.
- Extensive on-site **environmental monitoring**.
- **Proximity** to industrial customers supporting reduced transport.
- Existing **treatment capacity**. Liquid and gas are managed by on-site leachate treatment ponds and landfill gas flares.
- Waste is delivered to the site using **EPA's waste tracker** system to negate illegal dumping of reportable priority waste.
- Accepted wastes are placed in the cell under a **waste acceptance procedure** reviewed by the EPA.

SCAN HERE FOR PROJECT UPDATES.

The full Development Licence Application submitted to the EPA detailing the proposal will be available on Engage Victoria. Once live, this platform is also the method for supplying formal feedback about the proposal. Veolia will share the Engage Victoria link via the project webpage when it becomes available.