

1. Progress at Point Henry

Introduction

- Consistent with its values of People, Integrity and Excellence, Alcoa aims to transition Point Henry into a valuable community asset for current and future generations.
- Since 2014, Alcoa has undertaken physical decommissioning, environmental assessment and long-term land use planning.
- As a key step in Alcoa's remediation action plans it is proposed to consolidate two existing landfill sites, thereby reducing the total existing landfill sites from three to two.
- This is the first stage of remediation works related to landfills at Point Henry.
- Stage two will work to cap and close the Original Point Henry Landfill.

What is Alcoa proposing?

In November, Alcoa will submit a planning permit application to City of Greater Geelong (COGG) and Works Approval application to the EPA to reduce three existing landfills to two by:

- Constructing two new best practice containment cells at the existing Moolap Landfill site;
- Relocating existing CPL Landfill contents to the new containment cells;
- Relocating waste material that is not reusable / recyclable from industrial site to the new containment cells; and
- Remediating the former CPL Landfill site, and capping and closing the Moolap Landfill.

Image: Aerial photograph with graphic overlay demonstrating three existing landfills at Point Henry.



2. About CPL and Moolap Landfills

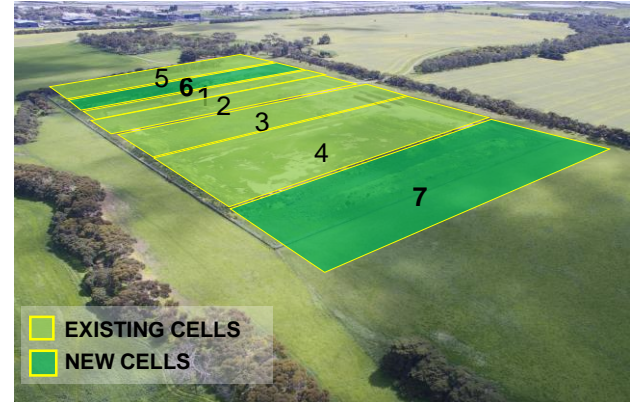
CPL Landfill



- CPL Landfill is a single cell that was constructed in 1978 and ceased operation in 1983.
- The contents include salt dross waste, which will be relocated to the new containment cells at the Moolap Landfill.
- The current CPL Landfill will be rehabilitated, then capped and closed.

Moolap Landfill

- Moolap Landfill contains five cells, which were constructed between 1982 and 2001 and ceased operation in 2003.
- The current contents contain salt dross and spent potlining waste.
- The expansion plans at Moolap Landfill have been designed by experienced engineering design consultants to provide long-term protection to groundwater, land and atmosphere.
- The Moolap Landfill will be expanded by ~20%, an increase offset by reduction at CPL Landfill.
- No third-party or external materials will be placed into the new cells.
- Operational process to recover and transfer contents to new cells will take approximately 12 months.

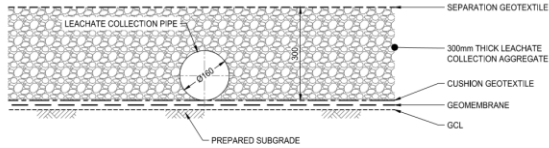


Top image: Current Moolap Landfill. Bottom Image: Aerial photograph with graphic overlay showing existing and proposed new containment cells at the Moolap Landfill site.

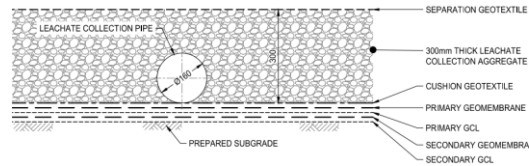
3. Cell design and contents

Containment cell design

- Design complies with EPA's Best Practice Environmental Management standards and verification is required from EPA appointed auditor.
- Base lining system comprises composite lining system of geosynthetic clay liner (GCL) and high-density polyethylene (HDPE) geomembrane.
- Lining system will include a leachate collection system to enable extraction of leachate from the cells.
- Capping system utilises similar materials to the base liner to minimise infiltration of rainwater into the cell and emissions of any potential gasses out of the cells.



DETAIL 1 CELL 6 BASE LINER PROFILE - COMPOSITE LINER
SCALE 1:10



DETAIL 2 CELL 7 BASE LINER PROFILE - DOUBLE COMPOSITE LINER
SCALE 1:10

Containment cell contents

MATERIAL TYPE	VOLUME (m3)
Relocated CPL Landfill material	45,000
Industrial Site derived materials	
- Solid industrial waste	5,000
- Prescribed Cat C waste	5,000
- Prescribed Cat C immobilised waste	20,000
- Prescribed Cat B waste	15,000
TOTAL	90,000

Classification of materials

Cells are designed dependant on waste classification according to EPA's Waste Hierarchy:

- Industrial Waste - potroom pavers and broken anode / coke / butts material
- Prescribed Cat C waste - oily impacted ballast from switchyard, ingot mill refractory, mill and potroom floor pavers, Hays Rd salt pond residue
- Prescribed Cat C immobilised waste - includes processed underpot material and potroom / fume system area sweepings (contaminated alumina)
- Prescribed Cat B waste – includes contaminated process materials from reclamation pad and coke tank area, contents from Coil Preparation Line evaporative lagoon, dross fines
- Further information, EPA waste classifications can be found located at <https://www.epa.vic.gov.au/your-environment/waste/landfills>

4. What are the benefits?

- This marks a key step in transitioning Point Henry into a valuable community asset for current and future generations;
- Maximises the future beneficial and alternative land uses, including providing the opportunity for community access with the sites to be opened up as future public open space;
- Reduces long-term number of landfills from three to two;
- Reduces the long-term environmental risk; and
- Avoids the need for transport of waste materials through Geelong.



Image above: Rendered image of future capped and rehabilitated site at Moolap Landfill.

Image to right: Future vision of Alcoa's masterplan, Point Henry 575.



5. How will it impact me?

Minimal disruption and controls

Minimal community impact is expected during the proposed activities due to works largely contained on Alcoa freehold land, localised in nature, and the operating period is only expected to be approximately 12 months.

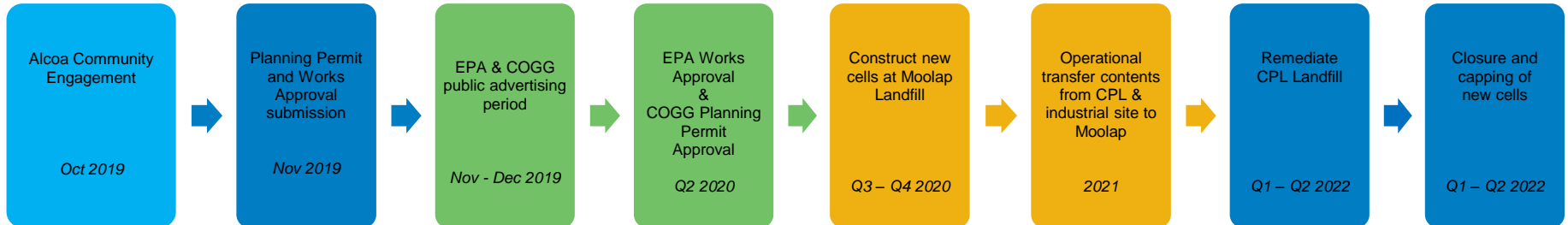
Key controls include:

- Operating period ~ 12 months
- Nearest neighbour ~ 325m away
- Noise expected to be less than Portarlington Rd
- Activity only during daylight hours
- Short, low public use transport route
- Minimal and only localised dust and odour risks within Alcoa boundary
- Communication and signage provided
- Monitoring of weather conditions



Proposed Project Timeline

COGG = City of Greater Geelong EPA = Environment Protection Authority



6. How do I provide feedback?



- Alcoa is conducting broad engagement activities to inform the community about its proposed plans and to understand and respond to their views.
- This includes hosting drop-in sessions, letter drops, advertising in the papers, and an online project site with feedback surveys and stakeholder briefings.
- It is anticipated that as a part of the approval process, that COGG and the EPA will provide further community engagement opportunities.
- With a long and proud history of consultation and engagement, Alcoa will also continue to maintain its well-established and regular Community Advisory Board meetings.

Alcoa invites the community to submit feedback in the following ways:

Visit:

www.alcoa.com.au/pointhentry

Feedback form:

Available at drop-in sessions or on website

Email:

point.henry@alcoa.com.au

Call: 03 5521 5441

Write to:

Alcoa, PO Box 460, Geelong, VIC 3220

Feel free to leave feedback here...