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.
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.

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

Contains cell contents

<table>
<thead>
<tr>
<th>MATERIAL TYPE</th>
<th>VOLUME (m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relocated CPL Landfill material</td>
<td>45,000</td>
</tr>
<tr>
<td>Industrial Site derived materials</td>
<td></td>
</tr>
<tr>
<td>- Solid industrial waste</td>
<td>5,000</td>
</tr>
<tr>
<td>- Prescribed Cat C waste</td>
<td>5,000</td>
</tr>
<tr>
<td>- Prescribed Cat C immobilised waste</td>
<td>20,000</td>
</tr>
<tr>
<td>- Prescribed Cat B waste</td>
<td>15,000</td>
</tr>
<tr>
<td>TOTAL</td>
<td>90,000</td>
</tr>
</tbody>
</table>
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.
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

- **Alcoa Community Engagement**
  - Oct 2019
- **Planning Permit and Works Approval submission**
  - Nov 2019
- **EPA & COGG public advertising period**
  - Nov - Dec 2019
- **EPA Works Approval & COGG Planning Permit Approval**
  - Q2 2020
- **Construct new cells at Moolap Landfill**
  - Q3 – Q4 2020
- **Operational transfer contents from CPL & industrial site to Moolap**
  - 2021
- **Remediate CPL Landfill**
  - Q1 – Q2 2022
- **Closure and capping of new cells**
  - Q1 – Q2 2022
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/pointhenry

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…