Tailings Facilities Management

Tailings management is a critical part of managing the risks of the waste produced from the mining process. These risks can range from potential consequences of a tailings storage facility failure through to groundwater impact due to seepage.

The design of a tailings dam is influenced by many factors including proximity to employees, communities, infrastructure, the geological conditions as well as the deposition of the tailings.

We regularly review our approach to tailings dams and take into account learnings from others. The design of our tailings dams is based on the potential risk to the environment and social responsibility, to ensure we minimise and control any potential impact that may be caused by the construction, operation and post closure of the tailings facilities.

We currently have two active tailings dams and we currently manage three tailings dams at the Wodgina mine site which are in care and maintenance (details on page 2). All are located in remote areas, and are significant distances from local communities and infrastructure.

We construct, operate and decommission our dam facilities in a safe and compliant manner; consistent with regulatory requirements, applicable guidelines and standards. This applies throughout the dam’s life cycle including planning and site location, design and construction, operation and preventative maintenance, decommissioning, closure, rehabilitation and post-closure monitoring and maintenance.

Current tailings dams:

<table>
<thead>
<tr>
<th>Location</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mt Marion mine site</td>
<td>In-pit tailings dam</td>
</tr>
<tr>
<td>Wodgina mine site</td>
<td>Downstream lift construction</td>
</tr>
</tbody>
</table>

CHRIS ELLISON
Managing Director
### Mine Tailings Disclosure Table

*Note: This table provides a summary of tailings management practices across different mining operations. The data is sourced from various reports and compliance assessments.*

<table>
<thead>
<tr>
<th>Mine Name</th>
<th>Location</th>
<th>Tailings System</th>
<th>Tailings Type</th>
<th>Tailings Volume</th>
<th>Tailings Age</th>
<th>Tailings Risk</th>
<th>Tailings Management Practices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mt Marion</td>
<td>Australia</td>
<td>Internal &amp; External</td>
<td>In pit</td>
<td>10,380,365</td>
<td>2019</td>
<td>Low</td>
<td>A. We construct, operate and decommission our dam facilities in a safe and compliant manner that is consistent with regulatory requirements, applicable guidelines and internal standards. This applies to all phases of the dam's life cycle including planning and site preparation, construction, operation, that is inactive or under C&amp;M is not currently approved (date) B. We maintain a robust management system and a proactive approach to tailings management. C. We conduct regular monitoring and maintenance.</td>
</tr>
<tr>
<td>Wodgina</td>
<td>Australia</td>
<td>Internal &amp; External</td>
<td>In pit</td>
<td>16</td>
<td>Unknown</td>
<td>Low</td>
<td>A. We construct, operate and decommission our dam facilities in a safe and compliant manner that is consistent with regulatory requirements, applicable guidelines and internal standards. This applies to all phases of the dam's life cycle including planning and site preparation, construction, operation, that is inactive or under C&amp;M is not currently approved (date) B. We maintain a robust management system and a proactive approach to tailings management. C. We conduct regular monitoring and maintenance.</td>
</tr>
</tbody>
</table>

**Key Points:***
- **Mt Marion**
  - Tailings Volume: 10,380,365
  - Tailings Age: 2019
  - Tailings Risk: Low
  - Tailings Management Practices:
    - We construct, operate and decommission our dam facilities in a safe and compliant manner that is consistent with regulatory requirements, applicable guidelines and internal standards. This applies to all phases of the dam's life cycle including planning and site preparation, construction, operation, that is inactive or under C&M is not currently approved (date).
    - We maintain a robust management system and a proactive approach to tailings management.
    - We conduct regular monitoring and maintenance.

- **Wodgina**
  - Tailings Volume: 16
  - Tailings Age: Unknown
  - Tailings Risk: Low
  - Tailings Management Practices:
    - We construct, operate and decommission our dam facilities in a safe and compliant manner that is consistent with regulatory requirements, applicable guidelines and internal standards. This applies to all phases of the dam's life cycle including planning and site preparation, construction, operation, that is inactive or under C&M is not currently approved (date).
    - We maintain a robust management system and a proactive approach to tailings management.
    - We conduct regular monitoring and maintenance.

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**Instructions to support completion:**
- **Provide an overview of your tailings management system, and how you manage risk**
- **Describe the engineering and monitoring done to ensure stability**
- **Identify and describe any additional monitoring that is required**
- **Describe the engineering and monitoring for embankment stability**
- **Describe the engineering and monitoring for drainage protection**
- **Describe the engineering and monitoring for seepage protection**
- **Describe the engineering and monitoring for overtopping protection**
- **Describe the engineering and monitoring for piping protection**
- **Describe the engineering and monitoring for erosion protection**
- **Describe the engineering and monitoring for failure monitoring**
- **Describe the engineering and monitoring for fire protection**
- **Describe the engineering and monitoring for weather events as a result of catastrophic failure been included in your answer to Q20. Additional comments/information may be supplied to support this question (e.g. Yes and No) We note that this will depend on factors such as the type of facility, the region it is located in, and the climate it is subject to.**
- **Describe the engineering and monitoring for long term exposure at any point in time and a potential impact to critical infrastructure in the event of catastrophic failure been included in your answer to Q20.**
- **Describe the engineering and monitoring for supporting documentation.**

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**Country**
- Australia

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**Long/Lat**
- 118.6648972
- -21.187777