

## Our Approach to Emergency Preparedness and Planning

### Which Teck sites does this document apply to?

This document describes our approach to managing emergency preparedness and planning. This document applies to all Teck-controlled sites and projects, inclusive of contractor activities. This does not include operations in which Teck has/had an ownership interest but is not the principal operator.

**Sustainability performance information:** See our **Annual Sustainability Report**, available for download on our website.



Highland Valley Copper Operations, Canada. 2013.

### Background

Mining can pose significant health, safety and environmental risks to employees and communities. Certain risks such as the health and safety of our workforce, and tailings management, have the potential to become emergencies if not managed properly.

We recognize that maintaining strong relationships with our communities of interest and ensuring business continuity depend on our ability to effectively manage risks and to be prepared to respond in a timely and appropriate manner, should an emergency occur. Tailings incidents at other companies in recent years have underscored for Teck the importance of continued focus on emergency response planning, preparedness and management systems.

The importance of emergency preparedness is reflected in the [International Council on Mining and Metals \(ICMM\) Mining Principles](#). ICMM Principle 4.4, which is to “implement risk management strategies based on valid data and sound science”, states that member companies must develop, maintain and test effective emergency response procedures in collaboration with potentially affected parties.

### Governance and Accountability

#### Accountability and Resourcing

The Board of Directors, through its Safety and Sustainability Committee, broadly oversees health, safety, environment and community policies, systems, performance and auditing, including implementation of our Health, Safety, Environment and Community (HSEC) Management Standards. These standards include emergency preparedness and planning.

The following senior leaders at the corporate level are involved in implementing emergency preparedness and planning activities:

- Teck’s Vice President (VP), Risk & Security and Chair, Materials Stewardship reports to the Senior Vice President, Commercial & Legal Affairs and is responsible for ensuring that Teck has complete and current emergency protocols and pre-plans in place. The VP is also responsible for ensuring that operations and joint ventures practice scenario training and crisis management exercises to ensure that local crisis management teams have the ability to manage crises associated with their respective operation. Additionally, the VP conducts crisis management planning, including the testing of communications systems and practices at Teck in the event of an emergency.

#### Memberships, Partnerships and External Commitments

Teck works with numerous local, national and international organizations and programs to support and improve our approach to emergency planning and preparedness:

- **ICMM:** A global industry association that represents leading international mining and metals companies who are required to implement the ICMM 10 Principles, including Principle 4 on Risk Management
- **Mining Association of Canada (MAC):** Promotes the development of Canada’s mining and mineral processing industry; through MAC, we are required to implement the Towards Sustainable Mining program
- **The Copper Mark:** An assurance framework developed by the International Copper Association in 2019 to promote industry-wide responsible copper production practices and to demonstrate the industry’s commitment to green transition

## Emergency Preparedness, Planning and Management at Teck

We identify a comprehensive range of potential events and ensure we are prepared to respond to, and recover from, these situations as quickly and effectively as possible. Potential risks are mitigated through robust risk management measures. Various scenarios are tested

each year via simulated drills to evaluate the adequacy and effectiveness of our emergency planning and preparedness—including human and physical resources. Emergency preparedness and planning exercises are conducted at a corporate and site level as well as within the communities near our operations, as outlined in the following table.

### Emergency Preparedness at Corporate Offices, Sites and Communities

Corporate Risk Group—Crisis Management Team	<ul style="list-style-type: none"> <li>Develops, maintains and designs Teck’s overall approach to risk management, including the risk management practices related to the development and oversight of sites’ mining emergency response plans, which includes annual review, design and development of crisis simulations and training at sites</li> <li>Provides risk identification and analysis support for individual sites</li> <li>Coordinates additional training, capacity building and simulations as necessary</li> </ul>
Individual Sites	<ul style="list-style-type: none"> <li>Develop mining emergency response plans tailored to site-specific risks</li> <li>Work closely with the Corporate Risk Group to ensure alignment with Teck’s overall risk management approach and the global crisis management program</li> <li>Conducts site-level training and simulations to ensure readiness and capabilities of response teams and emergency management teams</li> <li>Coordinate with local stakeholders, including Indigenous groups</li> </ul>
Local Communities	<ul style="list-style-type: none"> <li>Develop their own emergency preparedness and response plans</li> <li>May collaborate and conduct joint simulations with adjacent Teck sites</li> <li>May exchange information and best practices with adjacent and non-adjacent Teck sites</li> </ul>

### Emergency Response Planning at Individual Sites

Components	Example
Clearly defined roles/responsibilities	<ul style="list-style-type: none"> <li>Identifying, equipping and training first responders</li> </ul>
Emergency response guidelines and procedures	<ul style="list-style-type: none"> <li>Security</li> <li>Medical</li> <li>Fire and explosion</li> <li>Special considerations (earthquake, avalanche, tailings dam breach)</li> </ul>
Communications systems and procedures	<ul style="list-style-type: none"> <li>Establishing internal and external communications mechanisms</li> <li>Call-out procedures</li> <li>Musters and/or evacuations</li> <li>Media management (reporters, social, etc.)</li> </ul>
Response and control	<ul style="list-style-type: none"> <li>Organizational structure and responsibilities</li> <li>Reviews and inspections (internal/external)</li> <li>Capital replacement plans</li> <li>Continuous improvement</li> </ul>
Internal emergency response	<ul style="list-style-type: none"> <li>Plans for addressing emergencies within Teck’s facilities, including scope, personnel involved, training, facilities and equipment, and maintenance</li> </ul>
External emergency response	<ul style="list-style-type: none"> <li>Plans for addressing emergencies outside of Teck’s facilities, including mutual aid agreements, joint responsibilities and other agreements</li> <li>Contractor service agreements</li> <li>Medical treatments, including availability, means of transport and transport time</li> </ul>
Testing and training for emergency situations	<ul style="list-style-type: none"> <li>Scheduling and conducting exercises and simulations</li> <li>Ongoing tabletop reviews</li> <li>Collaborative effort by operations, the Risk Group and the Corporate Crisis Management Team, and occasionally with multi-jurisdictional participation</li> </ul>
Incident investigation procedures	<ul style="list-style-type: none"> <li>Maintaining documentation</li> <li>Incident Cause Analysis Method (ICAM) or other form of investigation</li> <li>Sharing of lessons learned</li> </ul>

Our framework within Teck’s Global Risk Management Program guides the process of:

- Identifying hazards
- Assessing the risks associated with those hazards
- Applying relevant controls to minimize the potential risks
- Regularly checking effectiveness of controls
- Ensuring appropriate plans and resources are put in place to respond to emergencies that may occur

Standards for emergency preparedness are updated on a regular basis as required. With the support and guidance of our Risk Group, each operation develops site-specific Mining Emergency Response Plans (MERPs) based upon those requirements and in alignment with Teck’s Corporate Crisis Management Plan (CMP). Teck’s CMP includes pandemic-related crisis management protocols, enacted twice previously during the SARS and H1N1 epidemics. We enacted these protocols to ensure the safety of our employees, contractors and communities during the COVID-19 pandemic while ensuring the continued function

of our critical business operations. Emergency response plans and preparations are appropriate for site-specific conditions and are based on a range of credible—although extremely unlikely—incident scenarios.

## Assurance Related to Emergency Preparedness and Planning

At Teck we conduct four types of assurance:

- Audits of operations and business units
- Corporate annual HSEC assurance and mid-year effective checks conducted by Teck’s HSEC Assurance team
- Corporate annual internal audits conducted by Teck’s Assurance and Advisory team
- External assurance by independent auditors for relevant regulatory and voluntary membership requirements

Following each of these types of assurance, applicable management teams use the results to inform future actions and Teck’s five-year planning process.

### Assurance Related to Emergency Preparedness and Planning

Type	Organization	Items Reviewed
Internal	Teck (risk-based Health, Safety and Environment internal audits)	<ul style="list-style-type: none"> <li>• Adherence to regulatory and permit requirements</li> <li>• Effectiveness of controls based on risk profile</li> </ul>
External	International Council on Mining and Metals (ICMM)	<ul style="list-style-type: none"> <li>• Principle 4—Risk Management</li> <li>• Performance Expectation 4.4</li> </ul>
External	Mining Association of Canada: Towards Sustainable Mining (MAC TSM)	<ul style="list-style-type: none"> <li>• Crisis Management Planning Protocol</li> <li>• TSM Responsible Sourcing Alignment Supplement: Criteria 23—Spills and Leakage<sup>1</sup></li> </ul>
External	The Copper Mark	<ul style="list-style-type: none"> <li>• Issue area 12—Occupational Health and Safety</li> <li>• Issue area 14—Environmental Risk Management</li> </ul>

<sup>1</sup>MAC TSM assurance performed for this metric at copper and zinc operations