

TECHNICAL & HSEC COMMITTEE CHARTER

The Technical & HSEC Committee of LUCA Mining Corp. (the "Company") is the committee of the Board to which the board delegates its responsibilities for the oversight of the Health, Safety, Environment & Community (HSEC) activities and the technical aspects of Projects and Operations.

The Technical & HSEC Committee will:

1. Review and recommend to the Board of the Company on the following before they are submitted for approval:
 - a. Quarterly and Annual HSEC performance;
 - b. Annual Resource and Reserve statements in compliance with Canadian Institute of Mining Metallurgy and Petroleum (CIM) reporting standards;
 - c. Annual budget and life of mine production plans for each operation and the corporation's consolidated production plan including management discussion and analysis of risks and opportunities to the Company; and
 - d. Any technical reports that will be issued publicly for the Company.
2. Review the adequacy of existing programs, policies and standards addressing all health, safety, environmental and community considerations in the operations of the Company and recommend improvements to address any shortcomings, and for the Company to be well prepared for any future changes, be they internal or legislated.
3. Review and/or prepare assessments of key technical and HSEC risks, emerging risks, such as climate change and their mitigations to the Company and submit same to the Audit Committee.
4. Review any exploration, geological, mining, metallurgical and other technical issues of significant concern, and provide technical review of any contemplated major transactions (mergers, divestures and acquisitions).
5. Make visits, as the Committee or individually, if necessary, to the Company's mines and project sites in order to become familiar with the operations and to review relevant objectives, procedures and performances with respect to technical and operational matters.
6. Perform any other duties and activities that it or the Board considers appropriate.

COMPOSITION OF THE COMMITTEE

The committee will be composed of a minimum of three (3) directors, the majority of which are not officers, employees or control persons of the Company or any of its subsidiaries. At a minimum, each committee member will have technical acumen to review and advise the Company on Exploration, Projects and Operational matters.

AUTHORITY

The committee has the authority to:

1. Access all Company technical policies, books and records;
2. Draw on the expertise and resources of any Company employees; and
3. Select and engage independent consultants and other advisors as it deems necessary to carry out its duties.

REPORTING

The reporting obligations of the committee will include:

1. Reporting to the Board on the proceedings of each committee meeting and on the committee's recommendations at the next regularly scheduled directors meeting.

Adopted by the Board of Directors LUCA Mining Corp. on August 21, 2023.