

HEALTH, SAFETY, SOCIAL, ENVIRONMENT (HSSE) COMMITTEE CHARTER

PURPOSE

The Health, Safety, Social and Environment Committee (the “**Committee**”) assists the Board of Directors (the “**Board**”) of Standard Lithium Ltd. (the “**Company**”) in overseeing the Company’s Health, Safety, Social and Environment aspects including climate change practices and performance.

RESPONSIBILITIES

The Committee shall:

- Review the practices and performance of the Company relating to Health and Safety including the safe condition and responsible operation of the Company’s assets, with focus on both employees and contractors.
- Review the practices and performance of the Company relating to Environment, including water, waste, biodiversity, air quality management; environmental protection and Greenhouse Gas (“**GHG**”) emissions; engagement with communities, stakeholders and Indigenous Peoples; emergency response planning.
- Review any major incidents and significant contraventions of policies and procedures that impact, or had the potential to impact, the Company’s Safety and Environmental performance; to ensure that principal risks related to Safety and Environmental matters are identified, controlled and monitored, and that sufficient resources are allocated to address such risks.
- Endorse the Company’s annual Assurance Plan for Health, Safety, Social and Environment (“**HSSE**”); review execution of the Assurance plan and audit outcomes; and review relevant findings from the Company’s Internal Audit and Investigations program.
- Review and consider external stakeholder perspectives regarding Company’s business.
- Review Company’s annual public disclosure in relation to Health, Safety, Social and Environment matters.

OTHER FUNCTIONS

Perform any such duties as may be assigned to the Committee by the Board from time to time.

LIMITATIONS INHERENT IN THE COMMITTEE’S ROLE

It is not the duty of the Committee to plan or conduct audits, this being the role of management. Neither is it the duty of the Committee to establish the management of the safe and environmentally responsible operation of the Company’s assets, this being the role of the

management. Nor is it the duty of the Committee to establish the appropriate level of the Company's exposure to risk, this being the role of the Board.

COMPOSITION

- The Committee shall be composed of no fewer three members.
- Committee members, the Committee Chair and the Committee Secretary shall be appointed by the Board.
- Committee members, the Chair and the Secretary shall hold office until a successor is appointed by the Board or until they are removed by the Board or cease to be directors of the Company.

ALTERNATE ARRANGEMENTS

If a Committee member is unable to act due to absence, illness, or any other cause, the Committee Chair, or in their absence the Board, may appoint another independent director to serve as an alternate Committee member. In the absence of the Committee Chair, the remaining members present shall elect one of the members present to chair the meeting.

QUORUM

- The quorum necessary for the transaction of business shall be two Committee members. A duly convened meeting of the Committee at which a quorum is present shall be competent to exercise any and all of the authorities, powers and discretions vested in or exercisable by the Committee.
- Decisions of the Committee will be by an affirmative vote of the majority of those members of the Committee voting at a meeting. In the event of an equality of votes, the Chair will not have a casting or deciding vote. The Committee may also act by resolution in writing signed by all the members of the Committee.

AUTHORITY AND SUPPORT

- The Board has established the Committee with the authorities necessary to perform the duties set out in this Charter. The Committee, within the scope of its assigned purpose and duties, may seek any information it requires from employees, management, and external parties. If the Committee so desires, it shall meet with these or other employees in a separate session without management being present.
- The Committee may engage advisers or otherwise obtain independent legal or other professional services it requires, at the expense of the Company. The Board will provide the Committee with sufficient resources to undertake its duties.

MEETINGS

- The Committee shall meet as frequently as required, as determined by the Committee Chair, and at least two times a year.

- Only the Committee Chair and members shall participate in Committee meetings. Any non-executive director who is not a member of the Committee is entitled to attend Committee meetings. At the invitation of the Committee Chair others, including management, may also attend Committee meetings.
- Periodically, the Committee shall meet with other senior employees. If the Committee so desires, it shall meet with these and other employees in a separate session without management being present.
- The Committee shall report to the Board on its proceedings after each meeting on all matters within its duties and responsibilities and make whatever recommendations to the Board it deems appropriate on any area within its remit where action or improvement is needed.
- Meetings of the Committee shall be arranged by the Committee Secretary, who shall inform Committee members and other attendees (as appropriate) in advance of each scheduled meeting, together with an agenda and supporting papers. The Committee Secretary shall ensure that the agenda and supporting papers as required by the Committee are received in a timely manner, not less than 48 hours prior to each meeting, to enable full and proper consideration of Committee matters.
- The Committee Secretary shall record minutes of the proceedings and resolutions of all meetings of the Committee, including recording the names of those present and in attendance. The Committee Secretary shall promptly circulate draft meeting minutes to the Committee Chair for review and subsequently to all members of the Committee. Minutes shall be tabled as soon as practicable thereafter at a meeting of the Board for information and approval confirmed at the next meeting of the Committee.
- The independent directors of the Committee will have an in-camera session at each meeting, unless such members of the Committee present determine that such a session is not required.

COMMITTEE PERFORMANCE

The Committee shall annually evaluate how it has discharged its responsibilities and the overall performance of the Committee. The Committee shall report the results of its evaluation to the Board. The Committee shall annually review this Charter and recommend updates as necessary, for the approval of the Board.

Approved by the Board of Directors of the Company on June 20, 2023.