

ALEXCO RESOURCE CORP.

(THE "COMPANY")

MANDATE OF THE BOARD OF DIRECTORS

GENERAL

This Mandate identifies the specific responsibilities of the Board of Directors of the Company (the "**Board**"). The Board is responsible for the stewardship of the Company and oversees the management of the business and affairs of the Company to maximize long term financial strength and shareholder value. The Board also sets and oversees policies and standards, including corporate governance principles and guidelines, which promote the integrity of the Company and its officers and employees, and protect the interests of shareholders. The Board may discharge certain of its responsibilities identified in this Mandate by delegating certain duties to committees of the Board and management. The specific duties delegated to each such committee are outlined in the respective charter for each committee.

COMPOSITION

The Chair of the Board should be "independent" as defined in National Instrument 52-110 – *Audit Committees*. Where this is not appropriate, an independent director should be appointed to act as "lead director". The Chair, or lead director if the Chair is not independent, shall act as the effective leader of the Board and shall be responsible to ensure that the Board executes this Mandate effectively, efficiently, and independently of management. Upon resignation of a member of the Board, such vacancy shall be filled by appointment by the Board, taking into consideration the recommendation(s) of the Nominating & Corporate Governance Committee, as soon as practical.

RESPONSIBILITIES

Leadership and Integrity

To promote leadership and integrity throughout the Company, the Board, with the assistance of the committees as appropriate, selects senior management, directors, officers and advisors who the Board believes will conduct themselves with utmost integrity and will comply with the Board's directions and policies and applicable laws and regulations. The Board, with the assistance of the Nominating & Corporate Governance Committee, determines the number of directors, nominates a majority of directors who are independent of management and who have appropriate skills and experience in order to create an effective Board, and selects a director who is independent of management to serve as chair (or lead director) of the Board.

On at least an annual basis, through the appropriate committees, the Board reviews the ongoing performance of management, directors and officers and committees of the Board. To the extent feasible, whilst conducting such reviews, the applicable committees also satisfy themselves as to the integrity of the Chief Executive Officer ("**CEO**") and other executive officers of the Company and evaluate the extent to which the CEO and other executive officers of the Company create a culture of integrity throughout the Company. In addition, each of the independent members of the committees meet from time to time as necessary, and the independent members of the Board meet at least annually separately from other members of the Board and management, in order to help ensure that the interests of the Company and its shareholders can be considered independently of any contribution from non-independent members of the Board and management.

Strategic Planning

The Board, in consultation with management, annually reviews and approves the strategic direction for the Company and the process for implementing the plan. The Board provides direction to the CEO and other senior management to ensure the strategic direction set by the Board is followed. The Board receives reports of management on a regular basis throughout the year on the current and proposed operations of the Company and reviews the opportunities of the Company and assesses risks to which the Company is exposed so that the direction can be adjusted where required. At each Board meeting, recent developments that may impact the Company's strategic direction are reviewed and revisions to the direction and operations are made as required. The Board reviews the human and corporate resources required to achieve the goals of the strategic direction and approves the Company's annual capital and operating plans, material equity and debt financing, material contracts and material acquisitions and divestitures. All such plans and reports may be orally presented to the Board or may be in written form if so required by the Board.

Dealing with Risks

The Board, on at least an annual basis and in participation with management, reviews and identifies what it perceives to be the principal risks to the Company and reviews management's plans for monitoring and managing those risks. The Board shall instruct management to assist the Board in identifying risks and to promptly alert the Board when a risk has materialized and to implement and monitor appropriate procedures and systems in accordance with normal industry practice and applicable laws and regulations. The Board also reviews the systems in place for managing the risks, including insurance coverage, to determine the adequacy of such risk management systems. The Board may from time to time appoint committees or advisors to assist in assessing different risks.

Succession Planning and Performance Reviews

The Board, through the Nominating & Corporate Governance Committee, annually identifies the key individuals of the Company and, in consultation with management, determines how best to replace such individuals should the need arise. The Board's policy is to select individuals who have the required expertise and therefore would require minimal training in order to assume their role with the Company. The CEO is assigned the responsibility of ensuring the new person is informed of the Company's policies and practices and would be instructed to arrange additional training if required.

The CEO has primary responsibility for supervising, reviewing and reporting to the Board, through the Compensation Committee, on the performance of other senior management. The Board also reviews on an annual basis the performance of the CEO against the performance criteria established from time to time.

Communication

The Code of Business Conduct and Ethics governs communication with shareholders and others and reflects the Company's commitment to timely, effective and accurate corporate disclosure in accordance with all applicable laws and with a view to enhancing the Company's relationship with its shareholders.

The Company has established measures for its stakeholders to provide feedback to the Board. Stakeholders may contact the Company Ethics Officer or the Chair of the Audit Committee, who can provide stakeholders with direct contact to the independent directors of the Company. Please refer to the Code of Business Conduct and Ethics for the contact information of the Company Ethics Officer and the Chair of the Audit Committee.

Internal Controls and Management Information Systems

The effectiveness of the Board and the success of the Company are tied to the effectiveness and integrity of the Company's internal control and management information systems. To maintain the effectiveness and integrity of the Company's financial controls, the Board, through the Audit Committee and the oversight of the Company's auditors, oversees the implementation and monitoring of internal control and management information systems, takes an active role in overseeing the operations of the Company and assesses information provided by management.

Corporate Governance Principles and Guidelines

The Board has appointed the Nominating & Corporate Governance Committee which is composed solely of independent directors and which has overall responsibility for developing the Company's approach to corporate governance. In particular, the Committee is responsible for reviewing legal requirements and trends regarding corporate governance, reviewing the Company's corporate governance policies, practice and compliance, and monitoring and assessing the functioning of the Board and committees of the Board. The Board has adopted the Company's Code of Business Conduct and Ethics which sets forth guiding principles for the business operations of the Company. Subject to committee delegation, the Board is responsible for monitoring the Code of Business Conduct and Ethics. Waivers from the Code of Business Conduct and Ethics for the benefit of the directors or executive officers of the Company may be granted only by the Board.

Expectations and Responsibilities of Directors

The Board has adopted Terms of Reference for Directors which set forth the expectations and responsibilities of individual directors. The Terms of Reference for Directors prescribe, among other things, the requirements that directors demonstrate integrity and high ethical standards in the performance of their duties, observe their fiduciary duty to the Company, avoid conflict by reporting to the Board potential or actual conflict situations and advise the Chair of all directorships or other positions held in public and non-public companies, regularly attend and prepare for Board and committee meetings and comply with all applicable laws and regulations, and policies and guidelines established for the Company.

Orientation and Continuing Education

The Board will ensure that all new incoming directors receive a comprehensive orientation such that all new directors fully understand the role of the Board and its committees, as well as the contribution individual directors are expected to make (including, in particular, the commitment of time and resources that the Company expects from its directors). The Board will ensure that all new directors understand the nature and operation of the Company's business. The Board will provide continuing education opportunities for all directors, so that individuals may maintain or enhance their skills and abilities as directors, as well as to ensure their knowledge and understanding of the Company's business remains current.

SPECIFIC DUTIES AND TASKS

In addition to the above responsibilities, the Board's mandate includes the following duties and tasks:

1. Reviewing and approving any proposed changes to the Company's notice of articles or articles.

2. Taking responsibility for, and appropriate action with respect to, any take-over bid, proposed merger, amalgamation, arrangement, and acquisition of all or substantially all of the assets or any similar form of business combination, including the approval of any agreements, circulars or other documents in connection therewith.
3. Approving payment of distributions to shareholders.
4. Approving any offerings, issuances or repurchases of share capital or other securities.
5. Approving the establishment of credit facilities and any other long-term commitments.
6. Developing clear position descriptions or terms of reference for the Chair of the Board, the Chair of each Board committee and the CEO (which includes delineating management's responsibilities).
7. Developing or approving the corporate goals and objectives that the CEO is responsible for meeting.
8. Selecting and appointing the CEO, the President and the Chief Financial Officer (“CFO”), evaluation of and (if necessary) termination of the CEO, the President and the CFO, and approving the hiring of any other senior executive or appointment of any corporate officer.
9. Succession planning and other human resource issues.
10. Approving the compensation of the senior executive officers, including performance bonus plans and stock options (if any).
11. Adopting a strategic planning process, approving the strategic direction on at least an annual basis, and monitoring performance against such strategic direction.
12. Reviewing and approving annual operational budgets, capital expenditures and corporate objectives, and monitoring performance on each of the above.
13. Reviewing policies and procedures to identify business risks, identifying the principal business risks and ensuring that systems and actions are in place to monitor them.
14. Reviewing policies and processes to ensure that the Company’s internal control and management information systems are operating properly.
15. Approving the financial statements, MD&A and other continuous disclosure requirements in accordance with applicable laws, and making a recommendation to shareholders for the appointment of auditors.
16. Approving the Company’s Code of Business Conduct and Ethics, and other codes, mandates and policies, and monitoring their effectiveness and application.
17. Assessing the contribution of the Board, committees and individual directors annually, and planning for succession of the Board and senior management.
18. To the extent feasible, attending each meeting of the Board.

19. To the extent feasible, reviewing the applicable meeting materials in advance of each meeting of the Board.
20. Developing the Company's approach to corporate governance, including developing a set of corporate governance principles and guidelines specifically tailored to the Company and in accordance with all applicable laws and regulations, including any stock exchange upon which the Company's securities are traded.

BOARD MEETING PROCESS

The powers of the Board may be exercised at a meeting for which notice has been given and at which a quorum is present or, in appropriate circumstances, by resolution in writing signed by all the directors.

Responsibility for Convening

Regular meetings of the directors may be called and held at such time and at such place as the Board may by resolution from time to time determine. Any director may call a meeting of the Board at any time.

Notice of Meeting

The Chair (or his or her delegate) of the Board shall arrange to provide notice of the time and place of every meeting in writing (including by email or facsimile) to each director at least 24 hours prior to the time fixed for such meeting, provided, however, that a director may in any manner waive a notice of a meeting. Attendance of a director at a meeting constitutes a waiver of notice of the meeting, except where a director attends a meeting for the express purpose of objecting to the transaction of any business on the grounds that the meeting is not lawfully called.

The Chair will also attempt to ensure that an agenda for the meeting and all required materials for review by the members of each committee are delivered to the members with sufficient time for their review.

Quorum

The quorum for the transaction of business at any meeting of the Board shall be a majority of directors or such other number of directors as the Board may from time to time determine according to the articles of the Company.

Voting

At all meetings of the Board every resolution shall be decided by a majority of the votes cast on the resolution. A member of the Board will be deemed to have consented to any resolution passed or action taken at a meeting of the Committee unless the member dissents.

Minutes of Board Meetings

A secretary should be named for each Board and committee meeting and minutes should be circulated at in a timely manner after such meeting. Minutes of the meetings of each of the committees meetings will be made available to each Board member.

Meetings of Independent Directors

The independent directors on the Board should hold regularly scheduled meetings at which non-independent directors and members of management are not in attendance.

EFFECTIVE DATE

Updated and adopted by the Board effective March 13, 2019.