

POET TECHNOLOGIES INC. (the “Corporation”)

MANDATE FOR THE BOARD OF DIRECTORS

1. Purpose

The primary function of the directors (individually a “Director” and collectively the “Board”) of the Corporation is to supervise the management of the business and affairs of the Corporation. The Board has the responsibility to supervise the management of the Corporation which is responsible for the day-to-day conduct of the business of the Corporation. The

fundamental objectives of the Board are to enhance and preserve long-term shareholder value and to ensure that the Corporation conducts business in an ethical and safe manner. In performing its functions, the Board should consider the legitimate interests that stakeholders, such as employees, customers and communities, may have in the Corporation. In carrying out its stewardship responsibility, the Board, through the Chief Executive Officer (the “CEO”), should set the standards of conduct for the Corporation.

2. Procedure and Organization

The Board operates by delegating certain responsibilities and duties set out below to management or committees of the Board and by reserving certain responsibilities and duties for the Board. The Board retains the responsibility for managing its affairs, including selecting its chairman and constituting committees of the Board.

3. Responsibilities and Duties

The principal responsibilities and duties of the Board fall into a number of categories which are summarized below.

(a) Legal Requirements

- (i) The Board has the overall responsibility to ensure that applicable legal requirements are complied with and documents and records have been properly prepared, approved and maintained.
- (ii) The Board has the statutory responsibility to, among other things:
 - A. manage, or supervise the management of, the business and affairs of the Corporation;
 - B. act honestly and in good faith with a view to the best interests of the Corporation;
 - C. exercise the care, diligence and skill that reasonably prudent people would exercise in comparable circumstances; and
 - D. act in accordance with the obligations contained in the Canada Business Corporations Act (the “CBCA”), the regulations thereunder, the articles and by-laws of the Corporation, applicable securities laws and policies and other applicable legislation and regulations.
- (iii) The Board has the statutory responsibility for considering the following matters as a Board which in law may not be delegated to management or to a committee of the Board:
 - A. any submission to the shareholders of any question or matter requiring the approval of the shareholders;
 - B. the filling of a vacancy among the directors or in the office of auditor and the appointing or removing of any of the CEO, the chairman of the Board or the president of the

Corporation;

- C. the issue of securities except as authorized by the Board; D. the declaration of dividends;
 - E. the purchase, redemption or any other form of acquisition of shares issued by the Corporation;
 - F. the payment of a commission to any person in consideration of the person purchasing or agreeing to purchase shares of the Corporation from the Corporation or from any other person, or procuring or agreeing to procure purchasers for any such shares except as authorized by the Board;
 - G. the approval of a management proxy circular;
 - H. the approval of a take-over bid circular, directors' circular or issuer bid circular; I. the approval of an amalgamation of the Corporation;
 - J. the approval of an amendment to the articles of the Corporation;
 - K. the approval of annual financial statements of the Corporation; and
 - L. the adoption, amendment or repeal of any by-law of the Corporation.
- (iv) In addition to those matters which at law cannot be delegated, the Board must consider and approve all major decisions affecting the Corporation, including all material acquisitions and dispositions, material capital expenditures, material debt financings, issue of shares and granting of options.

(b) Strategy Development

The Board has the responsibility to ensure that there are long-term goals and a strategic planning process in place for the Corporation and to participate with management directly or through committees in developing and approving the strategy by which the Corporation proposes to achieve these goals (taking into account, among other things, the opportunities and risks of the business of the Corporation).

(c) Risk Management

The Board has the responsibility to safeguard the assets and business of the Corporation, identify and understand the principal risks of the business of the Corporation and to ensure that there are appropriate systems in place which effectively monitor and manage those risks with a view to the long-term viability of the Corporation.

(d) Appointment, Training and Monitoring Senior Management

The Board has the responsibility to:

- (i) appoint the CEO, and together with the CEO, to develop a position description for the CEO;
- (ii) with the advice of the executive compensation committee of the Board (the "Compensation Committee"), develop corporate goals and objectives that the CEO is responsible for meeting and to monitor and assess the performance of the CEO in light of those corporate goals and objectives and to determine the compensation of the CEO;
- (iii) provide advice and counsel to the CEO in the execution of the duties of the CEO;
- (iv) develop, to the extent considered appropriate, position descriptions for the chairman of the
- (v) Board and the chairman of each committee of the Board;
- (vi) approve the appointment of all corporate officers;
- (vii) consider, and if considered appropriate, approve, upon the recommendation of the

- (viii) Compensation Committee and the CEO, the remuneration of all corporate officers;
- (ix) consider, and if considered appropriate, approve, upon the recommendation of the Compensation Committee, incentive-compensation plans and equity-based plans of the Corporation; and
- (x) ensure that adequate provision has been made to train and develop management and members of the Board and for the orderly succession of management, including the CEO.

(e) Ensuring Integrity of Management

The Board has the responsibility, to the extent considered appropriate, to satisfy itself as to the integrity of the CEO and other officers of the Corporation and to ensure that the CEO and such other officers are creating a culture of integrity throughout the Corporation.

(f) Policies, Procedures and Compliance

The Board is responsible for the oversight and review of the following matters and may rely on management of the Corporation to the extent appropriate in connection with addressing such matters:

- (i) ensuring that the Corporation operates at all times within applicable laws and regulations and to appropriate ethical and moral standards;
- (ii) approving and monitoring compliance with significant policies and procedures by which the business of the Corporation is conducted;
- (iii) ensuring that the Corporation sets appropriate environmental standards for its operations and operates in material compliance with environmental laws and legislation;
- (iv) ensuring that the Corporation has a high regard for the health and safety of its employees in the workplace and has in place appropriate programs and policies relating thereto;
- (v) developing the approach of the Corporation to corporate governance, including to the extent appropriate developing a set of governance principals and guidelines that are specifically applicable to the Corporation; and
- (vi) examining the corporate governance practices within the Corporation and altering such practices when circumstances warrant.

(g) Reporting and Communication

The Board is responsible for the oversight and review of the following matters and may rely on management of the Corporation to the extent appropriate in connection with addressing such matters:

- (i) ensuring that the Corporation has in place policies and programs to enable the Corporation to communicate effectively with management, shareholders, other stakeholders and the public generally;
- (ii) ensuring that the financial results of the Corporation are adequately reported to shareholders, other security holders and regulators on a timely and regular basis;
- (iii) ensuring that the financial results are reported fairly and in accordance with applicable generally accepted accounting standards;
- (iv) ensuring the timely and accurate reporting of any developments that could have a significant and material impact on the value of the Corporation; and
- (v) reporting annually to the shareholders of the Corporation on the affairs of the Corporation for the preceding year.

(h) Monitoring and Acting

The Board is responsible for the oversight and review of the following matters and may rely on management of the Corporation to the extent appropriate in connection with addressing such matters:

- (i) monitoring the Corporation's progress in achieving its goals and objectives and revise and, through management, altering the direction of the Corporation in response to changing circumstances;
- (ii) considering taking action when performance falls short of the goals and objectives of the Corporation or when other special circumstances warrant;
- (iii) reviewing and approving material transactions involving the Corporation;
- (iv) ensuring that the Corporation has implemented adequate internal control and management information systems;
- (v) assessing the individual performance of each Director and the collective performance of the Board; and
- (vi) overseeing the size and composition of the Board as a whole to facilitate more effective decision-making by the Corporation.

4. Board's Expectations of Management

The Board expects each member of management to perform such duties, as may be reasonably assigned by the Board from time to time, faithfully, diligently, to the best of his or her ability and in the best interests of the Corporation. Each member of management is expected to devote substantially all of his or her business time and efforts to the performance of such duties. Management is expected to act in compliance with and to ensure that the Corporation is in compliance with all laws, rules and regulations applicable to the Corporation.

5. Responsibilities and Expectations of Directors

The responsibilities and expectations of each Director are as follows:

(a) Commitment and Attendance

All Directors should make every effort to attend all meetings of the Board and meetings of committees of which they are members. Members may attend by telephone.

(b) Participation in Meetings

Each Director should be sufficiently familiar with the business of the Corporation, including its financial position and capital structure and the risks and competition it faces, to actively and effectively participate in the deliberations of the Board and of each committee on which he or she is a member. Upon request, management should make appropriate personnel available to answer any questions a Director may have about any aspect of the business of the Corporation. Directors should also review the materials provided by management and the Corporation's advisors in advance of meetings of the Board and committees and should arrive prepared to discuss the matters presented.

(c) Code of Business Conduct and Ethics

The Corporation has adopted a Code of Business Conduct and Ethics to deal with the business conduct of Directors and officers of the Corporation. Directors should be familiar with the provisions of the Code of Business Conduct and Ethics.

(d) Other Directorships

The Corporation values the experience Directors bring from other boards on which they serve, but recognizes that those boards may also present demands on a Director's time and availability, and may also present conflicts issues. Directors should consider advising the chairman of the Corporate Governance and Nominating Committee before accepting any new membership on other boards of directors or any other affiliation with other businesses or governmental bodies which involve a significant commitment by the Director.

(e) Contact with Management

All Directors may contact the CEO at any time to discuss any aspect of the business of the Corporation. Directors also have complete access to other members of management. The Board expects that there will be frequent opportunities for Directors to meet with the CEO and other members of management in Board and committee meetings and in other formal or informal settings.

(f) Confidentiality

The proceedings and deliberations of the Board and its committees are, and shall remain, confidential. Each Director should maintain the confidentiality of information received in connection with his or her services as a director of the Corporation.

(g) Evaluating Board Performance

The Board, in conjunction with the Corporate Governance and Nominating Committee, and each of the committees of the Board should conduct a self-evaluation at least annually to assess their effectiveness. In addition, the Corporate Governance and Nominating Committee should periodically consider the mix of skills and experience that Directors bring to the Board and assess, on an ongoing basis, whether the Board has the necessary composition to perform its oversight function effectively.

6. Qualifications and Directors' Orientation

Directors should have the highest personal and professional ethics and values and be committed to advancing the interests of the Corporation. They should possess skills and competencies in areas that are relevant to the business of the Corporation. The CEO is responsible for the provision of an orientation and education program for new Directors.

7. Meetings

The Board should meet on at least a quarterly basis and should hold additional meetings as required or appropriate to consider other matters. In addition, the Board should meet as it considers appropriate to consider strategic planning for the Corporation. Financial and other appropriate information should be made available to the Directors in advance of Board meetings. Attendance at each meeting of the Board should be recorded.

Management may be asked to participate in any meeting of the Board. The Board should meet separately from management as considered appropriate to ensure that the Board functions independently of management. The Directors independent of management should meet with no members of management of the Corporation present as considered appropriate.

8. Committees

The Board has established an Audit Committee, an Executive Compensation Committee, a Corporate Governance and Nominating Committee, a Strategic Planning Committee and a Disclosure Committee to assist the Board in discharging its responsibilities. Special committees of the Board may be established from time to time to assist the Board in connection with specific matters. The chairman of each committee should report to the Board following meetings of the committee. The charter of each standing committee should be reviewed annually by the Board.

9. Evaluation

Each Director will be subject to an annual evaluation of his or her individual performance. The collective performance of the Board and of each committee of the Board will also be subject to annual

review. Directors should be encouraged to exercise their duties and responsibilities in a manner that is consistent with this mandate and with the best interests of the Corporation and its shareholders generally.

10. Resources

The Board has the authority to retain independent legal, accounting and other consultants. The Board may request any officer or employee of the Corporation or outside counsel or the external/internal auditors to attend a meeting of the Board or to meet with any member of, or consultant to, the Board.

Directors are permitted to engage an outside legal or other adviser at the expense of the Corporation where for example he or she is placed in a conflict position through activities of the Corporation, but any such engagement shall be subject to the prior approval of the Corporate Governance and Nominating Committee.

Approved by the Directors on
December 14, 2007.