
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

Form 8-K

Current Report

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): February 1, 2019

FENNEC PHARMACEUTICALS INC.

(Exact name of registrant as specified in its charter)

001-32295

(Commission File Number)

British Columbia, Canada

(State or other jurisdiction of incorporation)

20-0442384

(I.R.S. Employer Identification No.)

PO Box 13628, 68 TW Alexander Drive,

Research Triangle Park, NC

(Address of principal executive offices)

27709

(Zip Code)

Registrant's telephone number, including area code: (919) 636-4530

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 1.01 Entry into a Material Definitive Agreement.

Loan and Security Agreement

On February 1, 2019 (the “Closing Date”), Fennec Pharmaceuticals, Inc, a Delaware corporation (the “Company”), and wholly owned subsidiary of Fennec Pharmaceuticals Inc. (“Fennec”) entered into a Loan and Security Agreement (the “Loan and Security Agreement”) with Bridge Bank, a division of Western Alliance Bank, an Arizona corporation (the “Bank”), pursuant to which the Bank agreed to loan \$12.5 million to the Company, to be made available upon New Drug Application (“NDA”) approval of PEDMARK by no later than September 30, 2020. The proceeds from the loan will be used for working capital purposes and to fund general business requirements in accordance with the terms of the Loan and Security Agreement. Interest under the Term Loans shall bear interest, on the outstanding daily balance thereof, at a floating per annum rate equal to the Effective Interest Rate (as defined in the Loan and Security Agreement) which is equal to the sum of the Prime Rate published in the Wall Street Journal (currently 5.50%) plus one percent (1.00%). The debt facility is to have interest-only monthly payments due for the first eighteen months from the funding date and then monthly principal and interest payments are due through the remainder of the term which has a maturity date of October 1, 2023. In connection with the facility, Fennec has agreed to grant Bridge Bank a warrant to purchase up to 39,130 common shares at an exercise price of CAD\$9.03 per common share, for a term of ten years from the date of issuance, subject to early termination under certain conditions.

The Company paid a good faith deposit of \$52,500 to the Bank on December 21, 2018, which amounts shall be applied toward the Bank Expenses (as defined the Loan and Security Agreement) payable on the Closing Date and, if any good faith deposit is remaining thereafter it shall be refunded to the Company. The Company may voluntarily prepay the Term Loan in full, but not in part prior to its scheduled maturity date (whether by voluntary prepayment, mandatory prepayment or otherwise) a prepayment premium equal to 1.00% of the outstanding principal will apply for the duration of the loan. Borrow shall maintain at all times unrestricted cash and cash equivalents in an amount equal to or greater than three times Borrower’s monthly cash burn amount. Monthly cash burn is defined as: for any period of determination, Borrowers’ monthly net income, plus amortization and depreciation and calculated on a trailing six-month basis, plus the monthly average of the current portion of principal on interest-bearing liabilities due and payable in the immediately succeeding three-month period. The obligations under the Loan and Security Agreement are secured by a first priority security interest in all assets of the Borrower, excluding intellectual property. Intellectual property shall be subject to a double negative pledge.

Events of default which may cause repayment of the Term Loans to be accelerated include, among other customary events of default, (1) non-payment of any obligation when due, (2) the failure to perform any obligation required under the Loan and Security Agreement and to cure such default within a reasonable time frame, (3) the occurrence of a Material Adverse Event (as defined in the Loan and Security Agreement), (4) the attachment or seizure of a material portion of the Borrower’s assets if such attachment or seizure is not released, discharged or rescinded within 10 days, and (5) if the Borrower becomes insolvent or starts an insolvency proceeding or if an insolvency proceeding is brought by a third party against the Borrower and such proceeding is not dismissed or stayed within 30 days. The Loan and Security Agreement includes customary loan conditions, Borrower representations and warranties, Borrower affirmative covenants and Borrower negative covenants for secured transactions of this type.

A copy of the Loan and Security Agreement is attached hereto as Exhibit 10.1 and is incorporated herein by reference. The foregoing is a summary description of the terms of the Loan and Security Agreement and does not purport to be complete.

Item 8.01 Other Events.

On February 4, 2019, Fennec issued a press release announcing its entry into the Loan and Security Agreement. A copy of the press release is attached hereto as Exhibit 99.1 and is incorporated by reference herein.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No.	Description
<u>Exhibit 10.1</u>	<u>Loan and Security Agreement dated as of February 1, 2019 by and among Fennec Pharmaceuticals, Inc. and Western Alliance Bank.</u>
<u>Exhibit 99.1</u>	<u>Press Release dated February 4, 2019</u>

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

FENNEC PHARMACEUTICALS INC.

Date February 4, 2019

By: /s/ Rostislav Raykov
Rostislav Raykov
Chief Executive Officer

FENNEC PHARMACEUTICALS, INC., A DELAWARE CORPORATION

WESTERN ALLIANCE BANK, AN ARIZONA CORPORATION

LOAN AND SECURITY AGREEMENT

This **LOAN AND SECURITY AGREEMENT** is entered into as of February 1, 2019 (the “Effective Date”), by and between **WESTERN ALLIANCE BANK, an Arizona corporation** (“Bank”) and **FENNEC PHARMACEUTICALS, INC., a Delaware corporation** (“Borrower”).

RECITALS

Borrower wishes to obtain credit from time to time from Bank, and Bank desires to extend credit to Borrower. This Agreement sets forth the terms on which Bank will advance credit to Borrower, and Borrower will repay the amounts owing to Bank.

AGREEMENT

The parties agree as follows:

1. DEFINITIONS AND CONSTRUCTION.

1.1 Definitions. As used in this Agreement, the following terms shall have the following definitions:

“Accounts” means all presently existing and hereafter arising accounts, contract rights, payment intangibles, and all other forms of obligations owing to Borrower arising out of the sale or lease of goods (including, without limitation, the licensing of software and other technology) or the rendering of services by Borrower, whether or not earned by performance, and any and all credit insurance, guaranties, and other security therefor, as well as all merchandise returned to or reclaimed by Borrower and Borrower’s Books relating to any of the foregoing.

“Affiliate” means, with respect to any Person, any Person that owns or controls directly or indirectly such Person, any Person that controls or is controlled by or is under common control with such Person, and each of such Person’s senior executive officers, directors, and partners.

“Amortization Date” is (i) the date that is the nineteenth month anniversary of the first day of the month immediately following the Closing Date, if the Equity Event does not occur and (ii) the date that is the twenty-fifth month anniversary of the first day of the month immediately following the Closing Date, if the Equity Event does occur.

“Anti-Terrorism Laws” are any laws relating to terrorism or money laundering, including Executive Order No. 13224 (effective September 24, 2001), the USA PATRIOT Act, the laws comprising or implementing the Bank Secrecy Act, and the laws administered by OFAC.

“Approval Event” is the receipt of the final NDA approval by Borrower from the U.S. Food and Drug Administration for Borrower’s drug candidate currently named PEDMARK on or before September 30, 2020.

“Bank Expenses” means all: reasonable costs or expenses (including reasonable attorneys’ fees and expenses) incurred in connection with the preparation, negotiation, administration, and enforcement of the Loan Documents; reasonable Collateral audit fees; and Bank’s reasonable attorneys’ fees and expenses incurred in amending, enforcing or defending the Loan Documents (including fees and expenses of appeal), incurred before, during and after an Insolvency Proceeding, whether or not suit is brought.

“Blocked Person” is any Person: (a) listed in the annex to, or is otherwise subject to the provisions of, Executive Order No. 13224, (b) a Person owned or controlled by, or acting for or on behalf of, any Person that is listed in the annex to, or is otherwise subject to the provisions of, Executive Order No. 13224, (c) a Person with which Bank is prohibited from dealing or otherwise engaging in any transaction by any Anti-Terrorism Law, (d) a Person that commits, threatens or conspires to commit or supports “terrorism” as defined in Executive Order No. 13224, or (e) a Person that is named a “specially designated national” or “blocked person” on the most current list published by OFAC or other similar list.

“Borrower’s Books” means all of Borrower’s books and records including: ledgers; records concerning Borrower’s assets or liabilities, the Collateral, business operations or financial condition; and all computer programs, or tape files, and the equipment, containing such information.

“Business Day” means any day that is not a Saturday, Sunday, or other day on which banks in the State of California are authorized or required to close.

“Change in Control” shall mean a transaction, other than an Equity Event or other *bona-fide* equity financing, in which any “person” or “group” (within the meaning of Section 13(d) and 14(d)(2) of the Securities Exchange Act of 1934) becomes the “beneficial owner” (as defined in Rule 13d-3 under the Securities Exchange Act of 1934), directly or indirectly, of a sufficient number of shares of all classes of stock then outstanding of Borrower ordinarily entitled to vote in the election of directors, empowering such “person” or “group” to elect a majority of the Board of Directors of Borrower, who did not have such power before such transaction.

“Closing Date” means the Funding Date of the Term Loan.

“Code” means the California Uniform Commercial Code.

“Collateral” means the property described on **Exhibit A** attached hereto.

“Contingent Obligation” means, as applied to any Person, any direct or indirect liability, contingent or otherwise, of that Person with respect to (i) any indebtedness, lease, dividend, letter of credit or other obligation of another; (ii) any obligations with respect to undrawn letters of credit, corporate credit cards, or merchant services issued or provided for the account of that Person; and (iii) all obligations arising under any agreement or arrangement designed to protect such Person against fluctuation in interest rates, currency exchange rates or commodity prices; provided, however, that the term “Contingent Obligation” shall not include endorsements for collection or deposit in the ordinary course of business. The amount of any Contingent Obligation shall be deemed to be an amount equal to the stated or determined amount of the primary obligation in respect of which such Contingent Obligation is made or, if not stated or determinable, the maximum reasonably anticipated liability in respect thereof as determined by Bank in good faith; provided, however, that such amount shall not in any event exceed the maximum amount of the obligations under the guarantee or other support arrangement.

“Copyrights” means any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof.

“Credit Extension” means any Term Loan or any other extension of credit by Bank for the benefit of Borrower hereunder.

“Daily Balance” means the amount of the Obligations owed at the end of a given day.

“Designated Deposit Account” means Borrower’s primary depository or operating account with Bank.

“Disbursement Letter” is that certain form attached hereto as Exhibit B-1.

“Draw Period” is the period commencing of the date of the occurrence of the Approval Event and ending on the earlier of (i) September 30, 2020 and (ii) the occurrence of an Event of Default; provided, however, that the Draw Period shall not commence if on the date of the occurrence of the Approval Event an Event of Default has occurred and is continuing.

“Effective Date” is defined in preamble hereof.

“Effective Interest Rate” is with respect to the Term Loan, the per annum rate of interest (based on a year of three hundred sixty (360) days) equal to the sum of (a) Index Rate on the first Business Day of the month that immediately precedes the month in which the interest will accrue, plus (b) One percent (1.00%).

“Equipment” means all present and future machinery, equipment, tenant improvements, furniture, fixtures, vehicles, tools, parts and attachments in which Borrower has any interest.

“Equity Event” is the receipt by Parent after the Effective Date, and prior to the six month anniversary of the date of the Approval Event, of cash proceeds of not less than Fifty Million Dollars (\$50,000,000.00) from the issuance and sale by Parent of its equity securities.

“ERISA” means the Employee Retirement Income Security Act of 1974, as amended, and the regulations thereunder.

“Event of Default” has the meaning assigned in Article 8.

“Final Payment” is a payment (in addition to and not a substitution for the regular monthly payments of principal plus accrued interest) due on the earliest to occur of (a) the Maturity Date, or (b) the acceleration of any Term Loan, or (c) the prepayment of a Term Loan pursuant to Section 2.2(c) or (d), equal to the original principal amount of such Term Loan multiplied by the Final Payment Percentage, payable to Bank.

“Final Payment Percentage” is three and fifty-five hundredths percent (3.55%).

“Funding Date” is any date on which a Credit Extension is made to or on account of Borrower which shall be a Business Day.

“GAAP” means U.S. generally accepted accounting principles as in effect from time to time.

“Indebtedness” means (a) all indebtedness for borrowed money or the deferred purchase price of property or services, including without limitation reimbursement and other obligations with respect to surety bonds and letters of credit, (b) all obligations evidenced by notes, bonds, debentures or similar instruments, (c) all capital lease obligations and (d) all other Contingent Obligations.

“Index Rate” means the Prime Rate published in the Money Rates section of the Western Edition of The Wall Street Journal.

“Insolvency Proceeding” means any proceeding commenced by or against any person or entity under any provision of the United States Bankruptcy Code, as amended, or under any other bankruptcy or insolvency law, including without limitation the *Bankruptcy and Insolvency Act* (Canada) and *Companies’ Creditors Arrangement Act* (Canada) and similar legislation, including assignments for the benefit of creditors, formal or informal moratoria, compositions, extension generally with its creditors, or proceedings seeking reorganization, arrangement, winding-up, dissolution, liquidation, compromise, arrangement, adjustment, protection or other relief or a stay of proceedings of such person’s creditors generally (or any class of creditors).

“Intellectual Property” means all of Borrower’s right, title, and interest in and to the following: Copyrights, Trademarks and Patents; all trade secrets, all design rights, claims for damages by way of past, present and future infringement of any of the rights included above, all licenses or other rights to use any of the Copyrights, Patents or Trademarks, and all license fees and royalties arising from such use to the extent permitted by such license or rights; all amendments, renewals and extensions of any of the Copyrights, Trademarks or Patents; and all proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

“Inventory” means all inventory in which Borrower has or acquires any interest, including work in process and finished products intended for sale or lease or to be furnished under a contract of service, of every kind and description now or at any time hereafter owned by or in the custody or possession, actual or constructive, of Borrower, including such inventory as is temporarily out of its custody or possession or in transit and including any returns upon any accounts or other proceeds, including insurance proceeds, resulting from the sale or disposition of any of the foregoing and any documents of title representing any of the above, and Borrower’s Books relating to any of the foregoing.

“Investment” means any beneficial ownership of (including stock, partnership interest or other securities) any Person, or any loan, advance or capital contribution to any Person.

“IRC” means the Internal Revenue Code of 1986, as amended, and the regulations thereunder.

“Lien” means any mortgage, lien, deed of trust, charge, pledge, security interest or other encumbrance.

“Loan Documents” means, collectively, this Agreement, any note or notes (including the Secured Promissory Notes) executed by Borrower, the Parent Loan Documents, the Warrants and any other agreement entered into in connection with this Agreement, all as amended or extended from time to time.

“Material Adverse Effect” means a material adverse effect on (i) the business operations or condition (financial or otherwise) of Borrower and its Subsidiaries taken as a whole or the Parent and its Subsidiaries taken as whole or (ii) the ability of Borrower to repay the Obligations or otherwise perform its obligations under the Loan Documents or (iii) the value or priority of Bank’s security interests in the Collateral.

“Maturity Date” is October 1, 2023.

“Monthly Cash Burn” is for any period of determination, the sum of (i) Borrower’s average monthly net losses (calculated on a consolidated basis with Borrower’s Subsidiaries) for the six month period then ended, (ii) the average monthly amortization and depreciation expenses of Borrower (calculated on a consolidated basis with Borrower’s Subsidiaries) for the trailing six month period then ended and (iii) the monthly average of the current portion of principal on interest-bearing liabilities due and payable in the immediately succeeding three month period.

“Negotiable Collateral” means all letters of credit of which Borrower is a beneficiary, notes, drafts, instruments, securities, documents of title, and chattel paper, and Borrower’s Books relating to any of the foregoing.

“Obligations” means all debt, principal, interest, the Prepayment Fee, the Final Payment, Bank Expenses and other amounts owed to Bank by Borrower pursuant to this Agreement or any other agreement, whether absolute or contingent, due or to become due, now existing or hereafter arising, including any interest that accrues after the commencement of an Insolvency Proceeding and including any debt, liability, or obligation owing from Borrower to others that Bank may have obtained by assignment or otherwise.

“OFAC” is the U.S. Department of Treasury Office of Foreign Assets Control.

“OFAC Lists” are, collectively, the Specially Designated Nationals and Blocked Persons List maintained by OFAC pursuant to Executive Order No. 13224, 66 Fed. Reg. 49079 (Sept. 25, 2001) and/or any other list of terrorists or other restricted Persons maintained pursuant to any of the rules and regulations of OFAC or pursuant to any other applicable Executive Orders.

“Parent” is Fennec Pharmaceuticals Inc., a British Columbia (Canada) corporation, and owner of all issued and outstanding capital stock of Borrower.

“Parent Guaranty” means the guarantee of all of the Obligations by the Parent, entered into by the Parent and the Bank on the Effective Date and in such form and substance as are agreed to by the Bank, as the same may from time to time be amended, restated, modified or otherwise supplemented.

“Parent Loan Documents” means the Parent Guaranty, the Parent Security Agreement, the Parent Share Pledge and all other documents entered into by the Parent in connection with this Agreement.

“Parent Security Agreement” means the general security agreement granted by the Parent in respect of the Parent Guaranty on the Effective Date and in such form and substance as are agreed to by the Bank, as the same may from time to time be amended, restated, modified or otherwise supplemented.

“Parent Share Pledge” means the share pledge agreement pursuant to which the Parent pledged all of the shares of the Borrower to the Bank on the Effective Date and in such form and substance as are agreed to by the Bank, as the same may from time to time be amended, restated, modified or otherwise supplemented.

“Patents” means all patents, patent applications and like protections including without limitation improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same.

“Payment Date” means the first (1st) calendar day of each calendar month following the Closing Date.

“Perfection Certificate” has the meaning assigned in Section 3.1.

“Periodic Payments” means all installments or similar recurring payments that Borrower may now or hereafter become obligated to pay to Bank pursuant to the terms and provisions of any instrument, or agreement now or hereafter in existence between Borrower and Bank.

“Permitted Indebtedness” means:

- (a) Indebtedness of Borrower in favor of Bank arising under this Agreement or any other Loan Document;
- (b) Indebtedness existing on the Effective Date and disclosed in the Perfection Certificate on the Effective Date;
- (c) Indebtedness secured by a lien described in clause (e) of the defined term “Permitted Liens,” provided (i) such Indebtedness does not exceed the lesser of the cost or fair market value of the equipment financed with such Indebtedness and (ii) such Indebtedness does not exceed \$250,000 in the aggregate at any given time;
- (d) Subordinated Debt;
- (e) Unsecured Indebtedness to trade creditors incurred in the ordinary course of business;
- (f) Indebtedness incurred as a result of endorsing negotiable instruments received in the ordinary course of business; and
- (g) extensions, refinancings, modifications, amendments and restatements of any items of Permitted Indebtedness (a) through (f) above, provided that the principal amount thereof is not increased or the terms thereof are not modified to impose more burdensome terms upon Borrower or its Subsidiary, as the case may be.

“Permitted Investment” means:

- (a) Investments existing on the Effective Date disclosed in the Perfection Certificate;
- (b) (i) marketable direct obligations issued or unconditionally guaranteed by the United States of America or any agency or any State thereof maturing within one (1) year from the date of acquisition thereof, (ii) commercial paper maturing no more than one (1) year from the date of creation thereof and currently having rating of at least A-2 or P-2 from either Standard & Poor’s Corporation or Moody’s Investors Service, (iii) certificates of deposit maturing no more than one (1) year from the date of investment therein issued by Bank and (iv) Bank’s money market accounts;
- (c) Investments consisting of the endorsement of negotiable instruments for deposit or collection or similar transactions in the ordinary course of Borrower;

- (d) Investments consisting of deposit accounts in which Bank has a perfected security interest;
- (e) Investments consisting of (i) travel advances and employee relocation loans and other employee loans and advances in the ordinary course of business, and (ii) loans to employees, officers or directors relating to the purchase of equity securities of Borrower or its Subsidiaries pursuant to employee stock purchase plans or agreements approved by Borrower's Board of Directors; not to exceed in the aggregate for (i) and (ii), Five Hundred Thousand Dollars (\$500,000) in any fiscal year;
- (f) Investments (including debt obligations) received in connection with the bankruptcy or reorganization of customers or suppliers and in settlement of delinquent obligations of, and other disputes with, customers or suppliers arising in the ordinary course of business;
- (g) Investments consisting of notes receivable of, or prepaid royalties and other credit extensions, to customers and suppliers who are not Affiliates, in the ordinary course of business; provided that this paragraph (h) shall not apply to Investments of Borrower in any Subsidiary; and
- (h) non-cash Investments in joint ventures or strategic alliances in the ordinary course of Borrower's business consisting of Permitted Licenses, the development of technology or the providing of technical support.

"Permitted Liens" means the following:

- (a) Any Liens existing on the Effective Date and disclosed in the Perfection Certificate on the Effective Date or arising under this Agreement or the other Loan Documents;
- (b) Liens for taxes, fees, assessments or other governmental charges or levies, either not delinquent or being contested in good faith by appropriate proceedings, provided the same have no priority over any of Bank's security interests;
- (c) Liens (i) upon or in any equipment which was not financed by Bank acquired or held by Borrower or any of its Subsidiaries to secure the purchase price of such equipment or indebtedness incurred solely for the purpose of financing the acquisition of such equipment, or (ii) existing on such equipment at the time of its acquisition, provided that the Lien is confined solely to the property so acquired and improvements thereon, and the proceeds of such equipment;
- (d) Liens of carriers, warehousemen, suppliers, or other Persons that are possessory in nature arising in the ordinary course of business so long as such Liens attach only to Inventory, securing liabilities in the aggregate amount not to exceed One Hundred Thousand Dollars (\$100,000.00) and which are not delinquent or remain payable without penalty or which are being contested in good faith and by appropriate proceedings which proceedings have the effect of preventing the forfeiture or sale of the property subject thereto;
- (e) Liens to secure payment of workers' compensation, employment insurance, old-age pensions, social security and other like obligations incurred in the ordinary course of business (other than Liens imposed by ERISA);
- (f) leases or subleases of real property granted in the ordinary course of Borrower's business (or, if referring to another Person, in the ordinary course of such Person's business), and leases, subleases, non-exclusive licenses or sublicenses of personal property and granted in the ordinary course of Borrower's business (or, if referring to another Person, in the ordinary course of such Person's business), if the leases, subleases, licenses and sublicenses do not prohibit granting Bank a security interest therein;
- (g) Liens arising from judgments, decrees or attachments in circumstances not constituting an Event of Default under Section 8.4 or 8.7;

(h) Liens in favor of other financial institutions arising in connection with Borrower's deposit and/or securities accounts held at such institutions, provided that Borrower is permitted under the terms of this Agreement to maintain such accounts and Bank has a perfected first priority security interest in the amounts held in such deposit and/or securities accounts;

(i) Liens consisting of Permitted Licenses; and

(j) Liens incurred in connection with the extension, renewal or refinancing of the indebtedness secured by Liens of the type described in clauses (a) through (i) above, provided that any extension, renewal or replacement Lien shall be limited to the property encumbered by the existing Lien and the principal amount of the indebtedness being extended, renewed or refinanced does not increase.

"Permitted Licenses" are (A) licenses of over-the-counter software that is commercially available to the public, (B) non-exclusive license for the use of the Intellectual Property of Borrower or any of its Subsidiaries entered into in the ordinary course of business, provided, that, with respect to each such license described in clause (B) (i) the license constitutes an arms-length transaction, the terms of which, on their face, do not provide for a sale or assignment of any Intellectual Property and do not restrict the ability of Borrower or any of its Subsidiaries, as applicable, to pledge, grant a security interest in or lien on, or assign or otherwise Transfer any Intellectual Property; (ii) Borrower delivers to Bank copies of the final executed licensing documents in connection with the non-exclusive license promptly, and in any event within ten (10) days of the consummation thereof, and (iii) all upfront payments, royalties, milestone payments or other proceeds arising from the licensing agreement that are payable to Borrower or any of its Subsidiaries are paid to a deposit account maintained at the Bank, and (C) exclusive licenses for the use of the Intellectual Property of Borrower or any of its Subsidiaries entered into in the ordinary course of business, provided, that, with respect to each such license described in clause (C) (i) no Event of Default has occurred or is continuing at the time of such license; (ii) the license constitutes an arms-length transaction, the terms of which, on their face, do not provide for a sale or assignment of any Intellectual Property and do not restrict the ability of Borrower or any of its Subsidiaries, as applicable, to pledge, grant a security interest in or lien on, or assign or otherwise Transfer any Intellectual Property; (iii) (x) Borrower delivers copies of the final executed licensing documents in connection with the exclusive license promptly, and in any event within ten (10) days of the consummation thereof, and (y) any such license could not result in a legal transfer of title of the licensed property but may be exclusive in respects other than territory and may be exclusive as to territory only as to discrete geographical areas outside the United States and (iv) all upfront payments, royalties, milestone payments or other proceeds arising from the licensing agreement that are payable to Borrower or any of its Subsidiaries are paid to a deposit account maintained at the Bank.

"Person" means any individual, sole proprietorship, partnership, limited liability company, joint venture, trust, unincorporated organization, association, corporation, institution, public benefit corporation, firm, joint stock company, estate, entity or governmental agency.

"PPSA" means the *Personal Property Security Act* (British Columbia) "PPSA" or any successor personal property security statute or similar legislation of any other Canadian province or territorial jurisdiction, including without limitation, the Civil Code of Quebec, the laws of which are required by such legislation to be applied in connection with the issue, perfection, enforcement, opposability, priority, validity or effect of security interests.

"Prepayment Fee" is, with respect to any Term Loan subject to prepayment prior to the Maturity Date, whether by mandatory or voluntary prepayment, acceleration or otherwise, an additional fee payable to Bank in amount equal to percent (1.0%) of the principal amount of the Term Loan prepaid.

"Responsible Officer" means each of the Chief Executive Officer, the Chief Operating Officer, the Chief Financial Officer and the Controller of Borrower.

"Schedule" means the schedule of exceptions attached hereto and approved by Bank, if any.

"Secured Promissory Note" is defined in Section 2.7.

“Secured Promissory Note Record” is a record maintained by the Bank with respect to the outstanding Obligations owed by Borrower to the Bank and credits made thereto.

“Subordinated Debt” means any debt incurred by Borrower that is subordinated to the debt owing by Borrower to Bank on terms acceptable to Bank (and identified as being such by Borrower and Bank).

“Subsidiary” means any corporation, company or partnership in which (i) any general partnership interest or (ii) more than 50% of the stock or other units of ownership which by the terms thereof has the ordinary voting power to elect the Board of Directors, managers or trustees of the entity, at the time as of which any determination is being made, is owned by Borrower, either directly or through an Affiliate.

“Term Loan” is defined in Section 2.2(a) hereof.

“Total Liabilities” means at any date as of which the amount thereof shall be determined, all obligations that should, in accordance with GAAP be classified as liabilities on the consolidated balance sheet of Borrower, including in any event all Indebtedness.

“Trademarks” means any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Borrower connected with and symbolized by such trademarks.

“Warrants” are those certain Warrants to purchase Parent’s capital stock from and after the Effective Date until expiry thereof, issued by Borrower in favor of the Bank on the Effective Date.

1.2 Accounting Terms. All accounting terms not specifically defined herein shall be construed in accordance with GAAP and all calculations made hereunder shall be made in accordance with GAAP. When used herein, the terms “financial statements” shall include the notes and schedules thereto.

2. LOAN AND TERMS OF PAYMENT.

2.1 Credit Extensions.

Borrower promises to pay to the order of Bank, in lawful money of the United States of America, the aggregate unpaid principal amount of all Credit Extensions made by Bank to Borrower hereunder. Borrower shall also pay interest on the unpaid principal amount of such Credit Extensions at rates in accordance with the terms hereof.

2.2 Term Loan.

(a) Availability. Subject to the terms and conditions of this Agreement, during the Draw Period, Bank shall make a term loan to Borrower in the amount of Twelve Million Five Hundred Thousand Dollars (\$12,500,000) (such term loan is hereinafter referred to as “Term Loan”).

(b) Repayment. Borrower shall make monthly payments of interest only commencing on the first (1st) Payment Date following the Funding Date of each Term Loan, and continuing on the Payment Date of each successive month thereafter through and including the Payment Date immediately preceding the Amortization Date of such Term Loan. Borrower agrees to pay, on the Funding Date of each Term Loan, any initial partial monthly interest payment otherwise due for the period between the Funding Date of such Term Loan and the first Payment Date thereof. Commencing on the Amortization Date for the Term Loan, and continuing on the Payment Date of each month thereafter, Borrower shall make equal monthly payments of principal, together with applicable interest, in arrears, as calculated by Bank (which calculations shall be deemed correct absent manifest error) based upon: (1) the amount of the Term Loan, (2) the effective rate of interest, as determined in Section 2.4(a), and (3) a repayment schedule as determined by the Bank based on the Maturity Date and the Amortization Date (which determination shall be deemed correct absent manifest error). All unpaid principal and accrued and unpaid interest is due and payable in full on the Maturity Date with respect to the Term Loan. The Term Loan may only be prepaid in accordance with Sections 2.2(c) and 2.2(d).

(c) Mandatory Prepayments. If the Term Loan is accelerated following the occurrence of an Event of Default, Borrower shall immediately pay to Bank, an amount equal to the sum of: (i) all outstanding principal of the Term Loan plus accrued and unpaid interest thereon through the prepayment date, (ii) the Final Payment, (iii) the Prepayment Fee, plus (iv) all other Obligations that are due and payable, including Bank's Expenses and interest at the Default Rate with respect to any past due amounts. Notwithstanding (but without duplication with) the foregoing, on the Maturity Date, if the Final Payment had not previously been paid in full in connection with the prepayment of the Term Loan in full, Borrower shall pay Bank the Final Payment in respect of the Term Loan(s).

(d) Permitted Prepayment of Term Loan. Borrower shall have the option to prepay all, but not less than all, of the Term Loan advanced by Bank under this Agreement, provided Borrower (i) provides written notice to Bank of its election to prepay the Term Loan at least thirty (30) days prior to such prepayment, and (ii) pays to the Bank on the date of such prepayment an amount equal to the sum of (A) all outstanding principal of the Term Loan plus accrued and unpaid interest thereon through the prepayment date, (B) the Final Payment, (C) the Prepayment Fee, plus (D) all other Obligations that are due and payable, including Bank's Expenses and interest at the Default Rate with respect to any past due amounts.

2.3 Interest Rate, Payments, and Calculations.

(a) Interest Rate. Except as set forth in Section 2.4(b) below, the Term Loan shall bear interest, on the outstanding Daily Balance thereof, at a floating per annum rate equal to the Effective Interest Rate.

(b) Late Fee; Default Rate. If any payment is not made within ten (10) days after the date such payment is due, Borrower shall pay Bank a late fee equal to the lesser of (i) five percent (5%) of the amount of such unpaid amount or (ii) the maximum amount permitted to be charged under applicable law, not in any case to be less than \$25.00. All Obligations shall bear interest, from and after the occurrence and during the continuance of an Event of Default, at a rate equal to five (5) percentage points above the interest rate applicable immediately prior to the occurrence of the Event of Default.

(c) Payments. Interest hereunder shall be due and payable on the first calendar day of each month during the term hereof. Bank shall, at its option, charge such interest, all Bank Expenses, and all Periodic Payments against any of Borrower's deposit accounts (including but not limited to the Designated Deposit Account), in which case those amounts shall thereafter accrue interest at the rate then applicable hereunder. Any interest not paid when due shall be compounded by becoming a part of the Obligations, and such interest shall thereafter accrue interest at the rate then applicable hereunder. All payments shall be free and clear of any taxes, withholdings, duties, impositions or other charges, to the end that Bank will receive the entire amount of any Obligations payable hereunder, regardless of source of payment.

(d) Computation. In the event the Index Rate is changed from time to time hereafter, the applicable rate of interest hereunder shall be increased or decreased, as set forth in the definition of "Effective Interest Rate." All interest chargeable under the Loan Documents shall be computed on the basis of a three hundred sixty (360) day year for the actual number of days elapsed. For the purposes of the *Interest Act* (Canada) and disclosure under such statute: (i) whenever any interest or fee under this Agreement is calculated on the basis of a period of time other than a calendar year, such rate used in such calculation, when expressed as an annual rate, is equivalent to (x) such rate, multiplied by (y) the actual number of days in the calendar year in which the period for which such interest or fee is calculated ends, and divided by (z) the number of days in such period of time; (ii) the principle of deemed reinvestment of interest shall not apply to any interest calculation under this Agreement; and (iii) the rates of interest stipulated in this Agreement are intended to be nominal rates and not effective rates or yields.

2.4 Crediting Payments. Prior to the occurrence of an Event of Default, Bank shall credit a wire transfer of funds, check or other item of payment to such deposit account or Obligation as Borrower specifies. After the occurrence of an Event of Default, the receipt by Bank of any wire transfer of funds, check, or other item of payment shall be immediately applied to conditionally reduce Obligations, but shall not be considered a payment on account unless such payment is of immediately available federal funds or unless and until such check or other item of payment is honored when presented for payment. Notwithstanding anything to the contrary contained herein, any wire transfer or payment received by Bank after 12:00 noon Pacific time shall be deemed to have been received by Bank as of the opening of business on the immediately following Business Day. Whenever any payment to Bank under the Loan Documents would otherwise be due (except by reason of acceleration) on a date that is not a Business Day, such payment shall instead be due on the next Business Day, and additional fees or interest, as the case may be, shall accrue and be payable for the period of such extension.

2.5 Fees. Borrower shall pay to Bank the following:

(a) **Good Faith Deposit.** An amount of Fifty Two Thousand Five Hundred Dollars (\$52,500.00) as good faith deposit from Borrower (which Bank acknowledges was received on or about December 21, 2018) and shall be applied towards the Bank Expenses due under Section 2.5(d) on the Effective Date, and the balance, if any, shall be promptly returned by the Bank to Borrower on the Effective Date.

(b) **Final Payment.** The Final Payment, when due hereunder;

(c) **Prepayment Fee.** The Prepayment Fee, when due hereunder; and

(d) **Bank Expenses.** On the Effective Date, all Bank Expenses incurred through such date, including reasonable attorneys' fees and expenses and, after the Effective Date, all Bank Expenses, including reasonable attorneys' fees and expenses, as and when they are incurred by Bank.

2.6 Term. This Agreement shall become effective on the date hereof and, subject to Section 13.7, shall continue in full force and effect for so long as any Obligations remain outstanding or Bank has any obligation to make Credit Extensions under this Agreement. Notwithstanding the foregoing, Bank shall have the right to terminate its obligation to make Credit Extensions under this Agreement immediately and without notice upon the occurrence and during the continuance of an Event of Default. Notwithstanding termination, Bank's Lien on the Collateral shall remain in effect for so long as any Obligations are outstanding.

2.7 Secured Promissory Notes. The Term Loan shall be evidenced by a Secured Promissory Note or Notes in the form attached as Exhibit D hereto (each a "Secured Promissory Note"), and shall be repayable as set forth in this Agreement. Borrower irrevocably authorizes the Bank to make or cause to be made, on or about the Funding Date of any Term Loan or at the time of receipt of any payment of principal on such Secured Promissory Note, an appropriate notation on such Secured Promissory Note Record reflecting the making of such Term Loan or (as the case may be) the receipt of such payment. The outstanding amount of each Term Loan set forth on such Secured Promissory Note Record shall be prima facie evidence of the principal amount thereof owing and unpaid to the Bank, but the failure to record, or any error in so recording, any such amount on such Secured Promissory Note Record shall not limit or otherwise affect the obligations of Borrower under any Secured Promissory Note or any other Loan Document to make payments of principal or interest on any Secured Promissory Note when due. Upon receipt of an affidavit of an officer of the Bank as to the loss, theft, destruction, or mutilation of any of its Secured Promissory Note, Borrower shall issue, in lieu thereof, a replacement Secured Promissory Note in the same principal amount thereof and of like tenor.

3. CONDITIONS OF LOANS.

3.1 Conditions Precedent to Initial Credit Extension. The obligation of Bank to make the initial Credit Extension is subject to the condition precedent that Bank shall have received, in form and substance satisfactory to Bank, the following:

(a) this Agreement, duly executed by Borrower on the Effective Date and delivered on the Effective Date;

(b) a certificate of the Secretary of Borrower with respect to incumbency and resolutions authorizing the execution and delivery of this Agreement, dated as of the Effective Date and delivered on the Effective Date;

(c) a certificate of the Secretary of Borrower with respect to incumbency and resolutions authorizing the execution and delivery of this Agreement, dated as of the Closing Date and delivered on the Closing Date;

(d) UCC National Form Financing Statement to be filed on the Effective Date;

(e) a duly executed Warrant to purchase stock of Parent in such form and substance as is agreed to by the parties, dated as of the Effective Date and delivered on the Effective Date for the purposes of the Term Loan;

(f) a duly executed account control agreement with respect to the account maintained by the Parent with Royal Bank of Canada on the Effective Date, which control agreement must be in such form and substance as are reasonably satisfactory to the Bank;

(g) duly executed original Secured Promissory Notes in favor of the Bank, dated as of the Closing Date and delivered on the Closing Date;

(h) agreement to provide insurance, dated as of the Effective Date and delivered on the Effective Date;

(i) payment of the fees and Bank Expenses then due specified in Section 2.5 hereof;

(j) current consolidated financial statements of the Parent delivered on or prior to the Effective Date;

(k) evidence of closure of Borrower's and Parent's accounts maintained with Banc of California and transfer of all funds therein to accounts maintained with the Bank, on the Effective Date;

(l) completed perfection certificate of Borrower (the "Perfection Certificate"), dated as of the Effective Date and delivered on the Effective Date;

(m) a landlord's consent for each of Borrower and Parent's leased locations delivered on or prior to the Closing Date;

(n) a bailee waiver for each location where Borrower maintains Collateral having a book value in excess of Two Hundred and Fifty Thousand Dollars (\$250,000), delivered on or prior to the Closing Date;

(o) a Disbursement Letter in the form of Exhibit B-1 attached hereto, delivered on the Closing Date and dated as of the Closing Date;

(p) a Loan Payment/Advance Request Form in the form of Exhibit B-2 attached hereto, dated as of the Closing Date and delivered on the Closing Date;

(q) the Parent Loan Documents on the Effective Date and any and all documents and deliverables contemplated therein on the applicable dates as set forth therein;

(r) a certificate of an officer of the Parent with respect to incumbency and resolutions authorizing the execution and delivery of this the Parent Loan Documents and Warrants, dated as of the Closing Date and delivered on the Closing Date;

- (s) a Certificate of Good Standing of the Parent dated on or about the Effective Date;
- (t) receipt of a filed copy, which shall be filed by the Bank, acknowledged by the appropriate filing office, of an all asset PPSA Financing Statement, naming the Parent as "Debtors" and the Bank as "Secured Party";
- (u) account control agreements in favor of the Bank, in such form and substance as are reasonably satisfactory to the Bank and dated and delivered on or prior to the Effective Date, with respect to the accounts maintained by Borrower and Parent at the PNC Bank and at the Royal Bank of Canada;
- (v) evidence on the Closing Date that Borrower has sufficient cash reserves (including the proceeds of the Term Loan) in accounts maintained with the Bank to meet all of its projected expenses in accordance with its then applicable annual operating budget and financial projections delivered and accepted by Bank in its sole discretion (including, but not limited to, interest expenses and any applicable principal repayment expenses) for the then immediately following twelve-month period; and
- (w) such other documents, and completion of such other matters, as Bank may reasonably deem necessary or appropriate.

3.2 Conditions Precedent to all Credit Extensions. The obligation of Bank to make each Credit Extension, including the initial Credit Extension, is further subject to the representations and warranties contained in Section 5 shall be true and correct in all material respects on and as of the effective date of each Credit Extension as though made at and as of each such date, and no Event of Default shall have occurred and be continuing, or would exist after giving effect to such Credit Extension. The making of each Credit Extension shall be deemed to be a representation and warranty by Borrower on the date of such Credit Extension as to the accuracy of the facts referred to in this Section 3.2. Furthermore, the making of each Credit Extension shall be subject to the delivery by Borrower to the Bank, to the extent not delivered at the Closing, of duly executed original Secured Promissory Notes and Warrants, in number, form and content acceptable to the Bank, with respect to such Credit Extension made by the Bank after the Closing Date.

3.3 Procedures for Borrowing. Whenever Borrower desires a Term Loan, Borrower will notify Bank no later than 3:00 p.m. Pacific time, three (3) Business Days prior to the date the Term Loan is to be made. Each such notification shall be made (i) by telephone or in-person followed by written confirmation from Borrower within twenty four (24) hours, (ii) by electronic mail or facsimile transmission, or (iii) by delivering to Bank a Loan Payment/Advance Request Form in substantially the form of Exhibit B-2 hereto. Bank shall be entitled to rely on any notice given by a person who Bank reasonably believes to be a Responsible Officer or a designee thereof, and Borrower shall indemnify and hold Bank harmless for any damages or loss suffered by Bank as a result of such reliance. Bank will credit the amount of Term Loan made under this Section 3.3 to Borrower's deposit account.

4. CREATION OF SECURITY INTEREST.

4.1 Grant of Security Interest. Borrower hereby grants and pledges to Bank a continuing security interest in all presently existing and hereafter acquired or arising Collateral in order to secure prompt repayment of any and all Obligations and in order to secure prompt performance by Borrower of each of its covenants and duties under the Loan Documents. Except as set forth in the Perfection Certificate, such security interest constitutes a valid, first priority security interest in the presently existing Collateral, and will constitute a valid, first priority security interest in Collateral acquired after the date hereof.

4.2 Delivery of Additional Documentation Required. Borrower shall from time to time execute and deliver to Bank, at the request of Bank, all Negotiable Collateral, all financing statements and other documents that Bank may reasonably request, in form satisfactory to Bank, to perfect and continue the perfection of Bank's security interests in the Collateral and in order to fully consummate all of the transactions contemplated under the Loan Documents. Borrower from time to time may deposit with Bank specific time deposit accounts to secure specific Obligations. Borrower authorizes Bank to hold such balances in pledge and to decline to honor any drafts thereon or any request by Borrower or any other Person to pay or otherwise transfer any part of such balances for so long as the Obligations are outstanding.

4.3 Right to Inspect. Bank (through any of its officers, employees, or agents) shall have the right, upon reasonable prior notice, from time to time during Borrower's usual business hours but no more than twice a year (unless an Event of Default has occurred and is continuing), to inspect Borrower's Books and to make copies thereof and to check, test, and appraise the Collateral in order to verify Borrower's financial condition or the amount, condition of, or any other matter relating to, the Collateral.

5. REPRESENTATIONS AND WARRANTIES.

Borrower hereby represents and warrants as follows:

5.1 Due Organization and Qualification. Borrower and each Subsidiary is a corporation duly existing under the laws of its state of incorporation and qualified and licensed to do business in any state in which the conduct of its business or its ownership of property requires that it be so qualified.

5.2 Due Authorization; No Conflict. The execution, delivery, and performance of the Loan Documents are within Borrower's powers, have been duly authorized, and are not in conflict with nor constitute a breach of any provision contained in Borrower's Articles of Incorporation or Bylaws, nor will they constitute an event of default under any material agreement to which Borrower is a party or by which Borrower is bound. Borrower is not in default under any material agreement to which it is a party or by which it is bound.

5.3 No Prior Encumbrances. Borrower has good and marketable title to its property, free and clear of Liens, except for Permitted Liens.

5.4 Merchantable Inventory. All Inventory is in all material respects of good and marketable quality, free from all material defects, except for Inventory for which adequate reserves have been made.

5.5 Intellectual Property. Borrower is the sole owner of the Intellectual Property, except for Permitted Licenses or as set forth on the Perfection Certificate on the Effective Date. Each of the Patents is valid and enforceable, and no part of the Intellectual Property has been judged invalid or unenforceable, in whole or in part, and no claim has been made that any part of the Intellectual Property violates the rights of any third party. Except as set forth in the Perfection Certificate, Borrower's rights as a licensee of intellectual property do not give rise to more than five percent (5.00%) of its gross revenue in any given month, including without limitation revenue derived from the sale, licensing, rendering or disposition of any product or service. Except as set forth in the Perfection Certificate, Borrower is not a party to, or bound by, any agreement that restricts the grant by Borrower of a security interest in Borrower's rights under such agreement.

5.6 Name; Location of Chief Executive Office. Except as disclosed in the Perfection Certificate, Borrower has not done business under any name other than that specified on the signature page hereof. The chief executive office of Borrower is located at the address indicated in Section 10 hereof. All Borrower's Inventory and Equipment is located only at the location set forth in Section 10 hereof.

5.7 Litigation. Except as set forth in the Perfection Certificate, there are no actions or proceedings pending by or against Borrower or any Subsidiary before any court or administrative agency in which an adverse decision could have a Material Adverse Effect, or a material adverse effect on Borrower's interest or Bank's security interest in the Collateral.

5.8 No Material Adverse Change in Financial Statements. All consolidated and consolidating financial statements related to Borrower and any Subsidiary that Bank has received from Borrower fairly present in all material respects Borrower's financial condition as of the date thereof and Borrower's consolidated and consolidating results of operations for the period then ended. There has not been a material adverse change in the consolidated or the consolidating financial condition of Borrower since the date of the most recent of such financial statements submitted to Bank.

5.9 Solvency, Payment of Debts. Borrower is solvent and able to pay its debts (including trade debts) as they mature.

5.10 Regulatory Compliance. Borrower and each Subsidiary have met the minimum funding requirements of ERISA with respect to any employee benefit plans subject to ERISA, and no event has occurred resulting from Borrower's failure to comply with ERISA that could result in Borrower's incurring any material liability. Borrower is not an "investment company" or a company "controlled" by an "investment company" within the meaning of the Investment Company Act of 1940. Borrower is not engaged principally, or as one of the important activities, in the business of extending credit for the purpose of purchasing or carrying margin stock (within the meaning of Regulations T and U of the Board of Governors of the Federal Reserve System). Borrower has complied with all the provisions of the Federal Fair Labor Standards Act. Borrower has not violated any statutes, laws, ordinances or rules applicable to it, violation of which has or could reasonably be expected to have a Material Adverse Effect.

None of the Parent, the Borrower, any of its Subsidiaries, or any of Borrower's or its Subsidiaries' Affiliates or any of their respective agents acting or benefiting in any capacity in connection with the transactions contemplated by this Agreement is (i) in violation of any Anti-Terrorism Law, (ii) engaging in or conspiring to engage in any transaction that evades or avoids, or has the purpose of evading or avoiding or attempts to violate, any of the prohibitions set forth in any Anti-Terrorism Law, or (iii) is a Blocked Person. None of the Parent, the Borrower, any of its Subsidiaries, or to the knowledge of Borrower and any of their Affiliates or agents, acting or benefiting in any capacity in connection with the transactions contemplated by this Agreement, (x) conducts any business or engages in making or receiving any contribution of funds, goods or services to or for the benefit of any Blocked Person, or (y) deals in, or otherwise engages in any transaction relating to, any property or interest in property blocked pursuant to Executive Order No. 13224, any similar executive order or other Anti-Terrorism Law.

5.11 Environmental Condition. Except as disclosed in the Perfection Certificate, none of Borrower's or any Subsidiary's properties or assets has ever been used by Borrower or any Subsidiary or, to the best of Borrower's knowledge, by previous owners or operators, in the disposal of, or to produce, store, handle, treat, release, or transport, any hazardous waste or hazardous substance other than in accordance with applicable law; to the best of Borrower's knowledge, none of Borrower's properties or assets has ever been designated or identified in any manner pursuant to any environmental protection statute as a hazardous waste or hazardous substance disposal site, or a candidate for closure pursuant to any environmental protection statute; no lien arising under any environmental protection statute has attached to any revenues or to any real or personal property owned by Borrower or any Subsidiary; and neither Borrower nor any Subsidiary has received a summons, citation, notice, or directive from the Environmental Protection Agency or any other federal, state or other governmental agency concerning any action or omission by Borrower or any Subsidiary resulting in the releasing, or otherwise disposing of hazardous waste or hazardous substances into the environment.

5.12 Taxes. Borrower and each Subsidiary have filed or caused to be filed all tax returns required to be filed, and have paid, or have made adequate provision for the payment of, all taxes reflected therein.

5.13 Subsidiaries. Borrower does not own any stock, partnership interest or other equity securities of any Person, except for Permitted Investments.

5.14 Government Consents. Borrower and each Subsidiary have obtained all material consents, approvals and authorizations of, made all declarations or filings with, and given all notices to, all governmental authorities that are necessary for the continued operation of Borrower's business as currently conducted.

5.15 Accounts. Other than as set forth on the Perfection Certificate, none of Borrower's nor any Subsidiary's property is maintained or invested with a Person other than Bank.

5.16 Use of Proceeds. Borrower shall use the proceeds of the Term Loan solely as working capital and to fund its general business requirements in accordance with the provisions of this Agreement, and not for personal, family, household or agricultural purposes.

5.17 Full Disclosure. No representation, warranty or other statement made by Borrower in any certificate or written statement furnished to Bank contains any untrue statement of a material fact or omits to state a material fact necessary in order to make the statements contained in such certificates or statements not misleading.

6. AFFIRMATIVE COVENANTS.

Commencing on the Effective Date, Borrower shall do all of the following:

6.1 Good Standing. Borrower shall maintain its and each of its Subsidiaries' corporate existence and good standing in its jurisdiction of incorporation and maintain qualification in each jurisdiction in which it is required under applicable law. Borrower shall maintain, and shall cause each of its Subsidiaries to maintain, in force all licenses, approvals and agreements, the loss of which has or could reasonably be expected to have a Material Adverse Effect.

6.2 Government Compliance. Borrower shall meet, and shall cause each Subsidiary to meet, the minimum funding requirements of ERISA with respect to any employee benefit plans subject to ERISA. Borrower shall comply, and shall cause each Subsidiary to comply, with all statutes, laws, ordinances and government rules and regulations to which it is subject, noncompliance with which has or could reasonably be expected to have a Material Adverse Effect.

6.3 Financial Statements, Reports, Certificates. Borrower shall deliver the following to Bank: (a) as soon as available, but in any event within thirty (30) days after the end of each calendar month, a company prepared consolidated balance sheet, income statement, and cash flow statement covering Parent's consolidated operations during such period, prepared in accordance with GAAP, consistently applied (subject to normal and recurring year-end adjustments and the absence of notes), in a form acceptable to Bank and certified by a Responsible Officer; (b) as soon as available, but in any event within ninety (90) days after the end of Parent's fiscal year, audited consolidated financial statements of Parent prepared in accordance with GAAP, consistently applied, together with an unqualified opinion on such financial statements of an independent certified public accounting firm reasonably acceptable to the Bank (it being agreed and understood that the firm Haskell & White LLP is acceptable to the Bank); (c) copies of all statements, reports and notices sent or made available generally by Parent to its security holders or to any holders of Subordinated Debt and, if applicable, all reports on Forms 10-K and 10-Q filed with the Securities and Exchange Commission; (d) promptly upon receipt of notice thereof, a report of any legal actions pending or threatened against Parent or any Subsidiary that could result in damages or costs to Parent or any Subsidiary of Two Hundred and Fifty Thousand Dollars (\$250,000) or more; (e) as soon as available, but in any event no later than the earlier to occur of thirty (30) days following the beginning of each fiscal year or the date of approval by Parent's board of directors, an annual operating budget and financial projections (including income statements, balance sheets and cash flow statements) for such fiscal year, presented in a monthly format, approved by Parent's board of directors, and in a form and substance acceptable to Bank; and (f) such budgets, sales projections, operating plans or other financial information as Bank may reasonably request from time to time.

Borrower shall deliver to Bank with the monthly financial statements a Compliance Certificate signed by a Responsible Officer in substantially the form of **Exhibit C** hereto.

Bank shall have a right from time to time hereafter to audit Borrower's Accounts and appraise Collateral at Borrower's expense, provided that such audits will be conducted no more often than every twelve (12) months unless an Event of Default has occurred and is continuing.

6.4 Inventory; Returns. Borrower shall keep all Inventory in good and marketable condition, free from all material defects except for Inventory for which adequate reserves have been made. Returns and allowances, if any, as between Borrower and its account debtors shall be on the same basis and in accordance with the usual customary practices of Borrower, as they exist at the time of the execution and delivery of this Agreement. Borrower shall promptly notify Bank of all returns and recoveries and of all disputes and claims, where the return, recovery, dispute or claim involves more than Two Hundred and Fifty Thousand Dollars (\$250,000).

6.5 Taxes. Borrower shall make, and shall cause each Subsidiary to make, due and timely payment or deposit of all material federal, state, and local taxes, assessments, or contributions required of it by law, and will execute and deliver to Bank, on demand, appropriate certificates attesting to the payment or deposit thereof; and Borrower will make, and will cause each Subsidiary to make, timely payment or deposit of all material tax payments and withholding taxes required of it by applicable laws, including, but not limited to, those laws concerning F.I.C.A., F.U.T.A., state disability, and local, state, and federal income taxes, and will, upon request, furnish Bank with proof satisfactory to Bank indicating that Borrower or a Subsidiary has made such payments or deposits; provided that Borrower or a Subsidiary need not make any payment if the amount or validity of such payment is contested in good faith by appropriate proceedings and is reserved against (to the extent required by GAAP) by Borrower.

6.6 Insurance.

(a) Borrower, at its expense, shall keep the Collateral insured against loss or damage by fire, theft, explosion, sprinklers, and all other hazards and risks, and in such amounts, as ordinarily insured against by other owners in similar businesses conducted in the locations where Borrower's business is conducted on the date hereof. Borrower shall also maintain insurance relating to Borrower's business, ownership and use of the Collateral in amounts and of a type that are customary to businesses similar to Borrower's.

(b) All such policies of insurance shall be in such form, with such companies, and in such amounts as are reasonably satisfactory to Bank. All such policies of property insurance shall contain a lender's loss payable endorsement, in a form satisfactory to Bank, showing Bank as an additional loss payee thereof, and all liability insurance policies shall show the Bank as an additional insured and shall specify that the insurer must give at least twenty (20) days notice to Bank before canceling its policy for any reason. Upon Bank's request, Borrower shall deliver to Bank certified copies of such policies of insurance and evidence of the payments of all premiums therefor. All proceeds payable under any such policy shall, at the option of Bank, be payable to Bank to be applied on account of the Obligations.

6.7 Accounts. Borrower shall (i) maintain and shall cause each of its Subsidiaries and Parent to maintain its primary depository, operating, and investment accounts with Bank (including, without limitation, all depository, operating, and investment accounts maintained in the United States) and (ii) endeavor to utilize and shall cause each of its Subsidiaries and Parent to endeavor to utilize Bank's International Banking Division for any international banking services required by Borrower, including, but not limited to, foreign currency wires, hedges and swaps. Notwithstanding the foregoing, (i) Borrower and Parent may continue to maintain their respective accounts with PNC Bank that are identified on the Perfection Certificate on the Effective Date for a period of up to 45 days after the Effective Date; provided, that at or prior to the end of such 45 day period, Borrower must deliver evidence to the Bank of the closure of such accounts and transfer of all funds therein to one or more accounts maintained with the Bank; provided, further, that during such 45 day period, the aggregate balance of all such accounts maintained with PNC Bank may not exceed \$500,000 at any time and all such accounts must be subject to one or more account control agreements, effective no later than February 11, 2019, in such form and substance as are reasonably acceptable to the Bank, in favor of the Bank, and (ii) Parent may continue to maintain its accounts with Royal Bank of Canada that are identified on the Perfection Certificate on the Effective Date; provided, that, the aggregate balance in all such accounts may not exceed \$250,000 at any time.

6.8 Intellectual Property Rights. On the Compliance Certificate next due hereunder, Borrower shall give Bank written notice of any applications or registrations of intellectual property rights filed with the United States Patent and Trademark Office, including the date of such filing and the registration or application numbers, if any. Borrower shall promptly give Bank written notice upon the filing of any applications or registrations with the United States Copyright Office, including the title of such intellectual property rights to be registered, as such title will appear on such applications or registrations, and the date such applications or registrations will be filed. Upon filing any such applications or registrations with the United States Copyright Office, Borrower shall promptly provide Bank with (i) a copy of such applications or registrations, without the exhibits, if any, thereto, (ii) evidence of the filing of any documents requested by Bank to be filed for Bank to maintain the perfection and priority of its security interest in such intellectual property rights, and (iii) the date of such filing.

Borrower and each of its Subsidiaries shall: (a) use commercially reasonable efforts to protect, defend and maintain the validity and enforceability of its Intellectual Property that is material to Borrower's business; (b) promptly advise Bank in writing of infringement by a third party of its Intellectual Property that is material to Borrower's business; and (c) not allow any Intellectual Property material to Borrower's business to be abandoned, forfeited or dedicated to the public without Bank's prior written consent.

6.9 Landlord Waivers; Bailee Waivers. In the event that Borrower or any of its Subsidiaries, after the Effective Date, intends to add any new offices or business locations, including warehouses, or otherwise store any portion of the Collateral with, or deliver any portion of the Collateral to, a bailee, in each case pursuant to Section 7.2, then Borrower or such Subsidiary will first receive the written consent of Bank and, in the event that the Collateral at any new location is valued in excess of Two Hundred and Fifty Thousand Dollars (\$250,000) in the aggregate, such bailee or landlord, as applicable, must execute and deliver a bailee waiver or landlord waiver, as applicable, in form and substance reasonably satisfactory to Bank prior to the addition of any new offices or business locations, or any such storage with or delivery to any such bailee, as the case may be.

6.10 Creation/Acquisition of Subsidiaries. In the event Borrower, or any of its Subsidiaries creates or acquires any Subsidiary, Borrower shall provide prior written notice to Bank of the creation or acquisition of such new Subsidiary and take all such action as may be reasonably required by Bank to cause each such Subsidiary to become a co-Borrower hereunder or to guarantee the Obligations of Borrower under the Loan Documents and, in each case, grant a continuing pledge and security interest in and to the assets of such Subsidiary (as described on **Exhibit A** hereto); and Borrower (or its Subsidiary, as applicable) shall grant and pledge to Bank a perfected security interest in the all of the outstanding stock, units or other evidence of ownership of each such newly created Subsidiary.

6.11 Litigation Cooperation. Commencing on the Effective Date and continuing through the termination of this Agreement, make available to Bank, without expense to Bank, Borrower and each of Borrower's officers, employees and agents and Borrower's Books, to the extent that Bank may reasonably deem them necessary to prosecute or defend any third-party suit or proceeding instituted by or against Bank with respect to any Collateral or relating to Borrower.

6.12 Liquidity Covenant. Commencing on the Closing Date, Borrower shall at all times maintain in accounts held at the Bank, unrestricted cash and cash equivalents in an aggregate amount equal to at least three times the Monthly Cash Burn as calculated on the last date of the immediately preceding month.

6.13 Further Assurances. At any time and from time to time Borrower shall execute and deliver such further instruments and take such further action as may reasonably be requested by Bank to effect the purposes of this Agreement.

7. NEGATIVE COVENANTS.

Commencing on the Effective Date, Borrower will not do any of the following:

7.1 Dispositions. Convey, sell, lease, transfer or otherwise dispose of (collectively, a "Transfer"), or permit any of its Subsidiaries to Transfer, all or any part of its business or property, other than: (i) Transfers of Inventory in the ordinary course of business; (ii) Transfers of non-exclusive licenses and similar arrangements for the use of the property (other than Intellectual Property) of Borrower or its Subsidiaries in the ordinary course of business; (iii) Transfers of worn-out or obsolete Equipment which was not financed by Bank; or (iv) Transfers consisting of Permitted Licenses.

7.2 Change in Business; Change in Control or Executive Office. Engage in any business, or permit any of its Subsidiaries to engage in any business, other than the businesses currently engaged in by Borrower and any business substantially similar or related thereto (or incidental thereto); or cease to conduct business in the manner conducted by Borrower as of the Effective Date; or suffer or permit a Change in Control in which all Obligations to the Bank are not paid in full on the initial closing of such Change in Control transaction; or without thirty (30) days prior written notification to Bank, relocate its chief executive office or state of incorporation or change its legal name; or without Bank's prior written consent, change the date on which its fiscal year ends. Furthermore, Borrower shall not, without at least thirty (30) days' prior written notice to Bank add any new offices or business locations, including warehouses (unless such new offices or business locations contain less than Two Hundred and Fifty Thousand Dollars (\$250,000) in assets or property of Borrower or any of its Subsidiaries).

7.3 Mergers or Acquisitions. Merge or consolidate, or permit any of its Subsidiaries to merge or consolidate, with or into any other business organization, or acquire, or permit any of its Subsidiaries to acquire, all or substantially all of the capital stock or property of another Person other than pursuant to a transaction in which all Obligations to the Bank are paid on the initial closing thereof.

7.4 Indebtedness. Create, incur, assume or be or remain liable with respect to any Indebtedness, or permit any Subsidiary so to do, other than Permitted Indebtedness.

7.5 Encumbrances. Create, incur, assume or suffer to exist any Lien with respect to any of its property (including without limitation, its Intellectual Property), or assign or otherwise convey any right to receive income, including the sale of any Accounts, or permit any of its Subsidiaries to do so, except for Permitted Liens, or agree with any Person other than Bank not to grant a security interest in, or otherwise encumber, any of its property (including without limitation, its Intellectual Property), or permit any Subsidiary to do so.

7.6 Distributions. Pay any dividends or make any other distribution or payment on account of or in redemption, retirement or purchase of any capital stock, or permit any of its Subsidiaries to do so, except that Borrower may repurchase the stock of former employees pursuant to stock repurchase agreements as long as an Event of Default does not exist prior to such repurchase or would not exist after giving effect to such repurchase.

7.7 Investments. Directly or indirectly acquire or own, or make any Investment in or to any Person, or permit any of its Subsidiaries so to do, other than Permitted Investments; or maintain or invest any of its property with a Person other than Bank or permit any of its Subsidiaries to do so unless such Person has entered into an account control agreement with Bank in form and substance satisfactory to Bank; or suffer or permit any Subsidiary to be a party to, or be bound by, an agreement that restricts such Subsidiary from paying dividends or otherwise distributing property to Borrower.

7.8 Transactions with Affiliates. Directly or indirectly enter into or permit to exist any material transaction with any Affiliate of Borrower except for transactions that are in the ordinary course of Borrower's business, upon fair and reasonable terms that are no less favorable to Borrower than would be obtained in an arm's length transaction with a non-affiliated Person.

7.9 Subordinated Debt. Make any payment in respect of any Subordinated Debt, or permit any of its Subsidiaries to make any such payment, except in compliance with the terms of such Subordinated Debt, or amend any provision contained in any documentation relating to the Subordinated Debt without Bank's prior written consent.

7.10 Inventory and Equipment. Store the Inventory or the Equipment with a bailee, warehouseman, or other third party unless the third party has been notified of Bank's security interest and Bank (a) has received an acknowledgment from the third party that it is holding or will hold the Inventory or Equipment for Bank's benefit or (b) is in pledge possession of the warehouse receipt, where negotiable, covering such Inventory or Equipment. Store or maintain any Equipment or Inventory at a location other than the location set forth in Section 10 of this Agreement.

7.11 Compliance. Become an “investment company” or be controlled by an “investment company,” within the meaning of the Investment Company Act of 1940, or become principally engaged in, or undertake as one of its important activities, the business of extending credit for the purpose of purchasing or carrying margin stock, or use the proceeds of any Credit Extension for such purpose. Fail to meet the minimum funding requirements of ERISA, permit a Reportable Event or Prohibited Transaction, as defined in ERISA, to occur, fail to comply with the Federal Fair Labor Standards Act or violate any law or regulation, which violation has or could reasonably be expected to have a Material Adverse Effect, or a material adverse effect on the Collateral or the priority of Bank’s Lien on the Collateral, or permit any of its Subsidiaries to do any of the foregoing, or permit any of its Subsidiaries to do any of the foregoing.

7.12 Capital Expenditures. Make or contract to make, without Bank’s prior written consent, capital expenditures, including leasehold improvements, in any fiscal year in excess of \$250,000.00 or incur liability for rentals of property (including both real and personal property) in an amount which, together with capital expenditures, shall in any fiscal year exceed such sum.

7.13 Compliance with Anti-Terrorism Laws. Bank hereby notifies Borrower and each of its Subsidiaries that pursuant to the requirements of Anti-Terrorism Laws, and Bank’s policies and practices, Bank is required to obtain, verify and record certain information and documentation that identifies Borrower and each of its Subsidiaries and their principals, which information includes the name and address of Borrower and each of its Subsidiaries and their principals and such other information that will allow Bank to identify such party in accordance with Anti-Terrorism Laws. Neither Borrower nor any of its Subsidiaries shall, nor shall Borrower or any of its Subsidiaries permit any Affiliate to, directly or indirectly, knowingly enter into any documents, instruments, agreements or contracts with any Person listed on the OFAC Lists. Borrower and each of its Subsidiaries shall immediately notify Bank if Borrower or such Subsidiary has knowledge that Borrower, or any Subsidiary or Affiliate of Borrower, is listed on the OFAC Lists or (a) is convicted on, (b) pleads *nolo contendere* to, (c) is indicted on, or (d) is arraigned and held over on charges involving money laundering or predicate crimes to money laundering. Neither Borrower nor any of its Subsidiaries shall, nor shall Borrower or any of its Subsidiaries, permit any Affiliate to, directly or indirectly, (i) conduct any business or engage in any transaction or dealing with any Blocked Person, including, without limitation, the making or receiving of any contribution of funds, goods or services to or for the benefit of any Blocked Person, (ii) deal in, or otherwise engage in any transaction relating to, any property or interests in property blocked pursuant to Executive Order No. 13224 or any similar executive order or other Anti-Terrorism Law, or (iii) engage in or conspire to engage in any transaction that evades or avoids, or has the purpose of evading or avoiding, or attempts to violate, any of the prohibitions set forth in Executive Order No. 13224 or other Anti-Terrorism Law.

8. EVENTS OF DEFAULT.

Any one or more of the following events shall constitute an Event of Default by Borrower under this Agreement:

8.1 Payment Default. If Borrower fails to pay, when due, any of the Obligations;

8.2 Covenant Default.

(a) If Borrower fails to perform any obligation under Article 6 or violates any of the covenants contained in Article 7 of this Agreement; or

(b) If Borrower fails or neglects to perform or observe any other material term, provision, condition, covenant contained in this Agreement, in any of the Loan Documents, or in any other present or future agreement between Borrower and Bank and as to any default under such other term, provision, condition or covenant that can be cured, has failed to cure such default within ten Business Days after Borrower receives notice thereof or any officer of Borrower becomes aware thereof; provided, however, that if the default cannot by its nature be cured within the ten Business Day period or cannot after diligent attempts by Borrower be cured within such ten Business Day period, and such default is likely to be cured within a reasonable time, then Borrower shall have an additional reasonable period (which shall not in any case exceed 30 days) to attempt to cure such default, and within such reasonable time period the failure to have cured such default shall not be deemed an Event of Default but no Credit Extensions will be made.

8.3 Material Adverse Effect. If there occurs any circumstance or circumstances that has or could reasonably be expected to have a Material Adverse Effect;

8.4 Attachment. If any portion of Borrower's assets is attached, seized, subjected to a writ or distress warrant, or is levied upon, or comes into the possession of any trustee, receiver or person acting in a similar capacity and such attachment, seizure, writ or distress warrant or levy has not been removed, discharged or rescinded within ten (10) Business Days, or if Borrower is enjoined, restrained, or in any way prevented by court order from continuing to conduct all or any material part of its business affairs, or if a judgment or other claim becomes a lien or encumbrance upon any material portion of Borrower's assets, or if a notice of lien, levy, or assessment is filed of record with respect to any of Borrower's assets by the United States Government, or any department, agency, or instrumentality thereof, or by any state, county, municipal, or governmental agency, and the same is not paid within ten (10) Business Days after Borrower receives notice thereof, provided that none of the foregoing shall constitute an Event of Default where such action or event is stayed or an adequate bond has been posted pending a good faith contest by Borrower (provided that no Credit Extensions will be required to be made during such cure period);

8.5 Insolvency. If Borrower becomes insolvent, or if an Insolvency Proceeding is commenced by Borrower, or if an Insolvency Proceeding is commenced against Borrower and is not dismissed or stayed within thirty (30) days (provided that no Credit Extensions will be made prior to the dismissal of such Insolvency Proceeding);

8.6 Other Agreements. If there is a default or other failure to perform in any agreement to which Borrower is a party or by which it is bound resulting in a right by a third party or parties, whether or not exercised, to accelerate the maturity of any Indebtedness in an amount in excess of Two Hundred and Fifty Thousand Dollars (\$250,000) or which has or could reasonably be expected to have a Material Adverse Effect;

8.7 Judgments. If a judgment or judgments for the payment of money in an amount, individually or in the aggregate, of at least Two Hundred and Fifty Thousand Dollars (\$250,000) shall be rendered against Borrower and shall remain unsatisfied and unstayed for a period of ten (10) Business Days (provided that no Credit Extensions will be made prior to the satisfaction or stay of such judgment); or

8.8 Misrepresentations. If any material misrepresentation or material misstatement exists now or hereafter in any warranty or representation set forth herein or in any certificate delivered to Bank by any Responsible Officer pursuant to this Agreement or to induce Bank to enter into this Agreement or any other Loan Document.

8.9 Subordinated Debt. A default or breach occurs under any agreement between Borrower or any of its Subsidiaries and any creditor of Borrower or any of its Subsidiaries that signed a subordination, intercreditor, or other similar agreement with Bank, or any creditor that has signed such an agreement with Bank breaches any terms of such agreement.

8.10 Governmental Approvals. Any consent, authorization, approval, order, license, franchise, permit, certificate, accreditation, registration, filing or notice, of, issued by, from or to, or other act by or in respect of, any governmental authority shall have been revoked, rescinded, suspended, modified in an adverse manner, or not renewed in the ordinary course for a full term and such revocation, rescission, suspension, modification or non-renewal has resulted in or could reasonably be expected to result in a Material Adverse Effect.

8.11 Parent Loan Document Default. An Event of Default (as defined in the Parent Loan Documents) occurs under any one of the Parent Loan Documents.

9. BANK'S RIGHTS AND REMEDIES.

9.1 Rights and Remedies. Upon the occurrence and during the continuance of an Event of Default, Bank may, at its election, without notice of its election and without demand, do any one or more of the following, all of which are authorized by Borrower:

(a) Declare all Obligations, whether evidenced by this Agreement, by any of the other Loan Documents, or otherwise, immediately due and payable (provided that upon the occurrence of an Event of Default described in Section 8.5, all Obligations shall become immediately due and payable without any action by Bank);

(b) Cease advancing money or extending credit to or for the benefit of Borrower under this Agreement or under any other agreement between Borrower and Bank;

(c) Settle or adjust disputes and claims directly with account debtors for amounts, upon terms and in whatever order that Bank reasonably considers advisable;

(d) Make such payments and do such acts as Bank considers necessary or reasonable to protect its security interest in the Collateral. Borrower agrees to assemble the Collateral if Bank so requires, and to make the Collateral available to Bank as Bank may designate. Borrower authorizes Bank to enter the premises where the Collateral is located, to take and maintain possession of the Collateral, or any part of it, and to pay, purchase, contest, or compromise any encumbrance, charge, or lien which in Bank's determination appears to be prior or superior to its security interest and to pay all expenses incurred in connection therewith. With respect to any of Borrower's owned premises, Borrower hereby grants Bank a license to enter into possession of such premises and to occupy the same, without charge, in order to exercise any of Bank's rights or remedies provided herein, at law, in equity, or otherwise;

(e) Set off and apply to the Obligations any and all (i) balances and deposits of Borrower held by Bank, or (ii) indebtedness at any time owing to or for the credit or the account of Borrower held by Bank;

(f) Ship, reclaim, recover, store, finish, maintain, repair, prepare for sale, advertise for sale, and sell (in the manner provided for herein) the Collateral. Bank is hereby granted a license or other right, solely pursuant to the provisions of this Section 9.1, to use, without charge, Borrower's labels, patents, copyrights, rights of use of any name, trade secrets, trade names, trademarks, service marks, and advertising matter, or any property of a similar nature, as it pertains to the Collateral, in completing production of, advertising for sale, and selling any Collateral and, in connection with Bank's exercise of its rights under this Section 9.1, Borrower's rights under all licenses and all franchise agreements shall inure to Bank's benefit;

(g) Dispose of the Collateral by way of one or more contracts or transactions, for cash or on terms, in such manner and at such places (including Borrower's premises) as Bank determines is commercially reasonable, and apply any proceeds to the Obligations in whatever manner or order Bank deems appropriate;

(h) Bank may credit bid and purchase at any public sale; and

(i) Any deficiency that exists after disposition of the Collateral as provided above will be paid immediately by Borrower.

9.2 Power of Attorney. Effective only upon the occurrence and during the continuance of an Event of Default, Borrower hereby irrevocably appoints Bank (and any of Bank's designated officers, or employees) as Borrower's true and lawful attorney to: (a) send requests for verification of Accounts or notify account debtors of Bank's security interest in the Accounts; (b) endorse Borrower's name on any checks or other forms of payment or security that may come into Bank's possession; (c) sign Borrower's name on any invoice or bill of lading relating to any Account, drafts against account debtors, schedules and assignments of Accounts, verifications of Accounts, and notices to account debtors; (d) dispose of any Collateral; (e) make, settle, and adjust all claims under and decisions with respect to Borrower's policies of insurance; (f) settle and adjust disputes and claims respecting the accounts directly with account debtors, for amounts and upon terms which Bank determines to be reasonable; and (g) to file, in its sole discretion, one or more financing or continuation statements and amendments thereto, relative to any of the Collateral. The appointment of Bank as Borrower's attorney in fact, and each and every one of Bank's rights and powers, being coupled with an interest, is irrevocable until all of the Obligations have been fully repaid and performed and Bank's obligation to provide Credit Extensions hereunder is terminated.

9.3 Accounts Collection. At any time after the occurrence of an Event of Default, Bank may notify any Person owing funds to Borrower of Bank's security interest in such funds and verify the amount of such Account. Borrower shall collect all amounts owing to Borrower for Bank, receive in trust all payments as Bank's trustee, and immediately deliver such payments to Bank in their original form as received from the account debtor, with proper endorsements for deposit.

9.4 Bank Expenses. If Borrower fails to pay any amounts or furnish any required proof of payment due to third persons or entities, as required under the terms of this Agreement, then Bank may do any or all of the following after reasonable notice to Borrower: (a) make payment of the same or any part thereof; (b) set up such reserves under a loan facility in Section 2.1 as Bank deems necessary to protect Bank from the exposure created by such failure; or (c) obtain and maintain insurance policies of the type discussed in Section 6.6 of this Agreement, and take any action with respect to such policies as Bank deems prudent. Any amounts so paid or deposited by Bank shall constitute Bank Expenses, shall be immediately due and payable, and shall bear interest at the then applicable rate hereinabove provided, and shall be secured by the Collateral. Any payments made by Bank shall not constitute an agreement by Bank to make similar payments in the future or a waiver by Bank of any Event of Default under this Agreement.

9.5 Bank's Liability for Collateral. So long as Bank complies with reasonable banking practices, Bank shall not in any way or manner be liable or responsible for: (a) the safekeeping of the Collateral; (b) any loss or damage thereto occurring or arising in any manner or fashion from any cause; (c) any diminution in the value thereof; or (d) any act or default of any carrier, warehouseman, bailee, forwarding agency, or other person whomsoever. All risk of loss, damage or destruction of the Collateral shall be borne by Borrower.

9.6 Remedies Cumulative. Bank's rights and remedies under this Agreement, the Loan Documents, and all other agreements shall be cumulative. Bank shall have all other rights and remedies not inconsistent herewith as provided under the Code, by law, or in equity. No exercise by Bank of one right or remedy shall be deemed an election, and no waiver by Bank of any Event of Default on Borrower's part shall be deemed a continuing waiver. No delay by Bank shall constitute a waiver, election, or acquiescence by it. No waiver by Bank shall be effective unless made in a written document signed on behalf of Bank and then shall be effective only in the specific instance and for the specific purpose for which it was given.

9.7 Demand; Protest. Borrower waives demand, protest, notice of protest, notice of default or dishonor, notice of payment and nonpayment, notice of any default, nonpayment at maturity, release, compromise, settlement, extension, or renewal of accounts, documents, instruments, chattel paper, and guarantees at any time held by Bank on which Borrower may in any way be liable.

10. NOTICES.

All notices, consents, requests, approvals, demands, or other communication by any party to this Agreement or any other Loan Document must be in writing and shall be deemed to have been validly served, given, or delivered: (a) upon the earlier of actual receipt and three (3) Business Days after deposit in the U.S. mail, first class, registered or certified mail return receipt requested, with proper postage prepaid; (b) upon transmission, when sent by electronic mail; (c) one (1) Business Day after deposit with a reputable overnight courier with all charges prepaid; or (d) when delivered, if hand-delivered by messenger, all of which shall be addressed to the party to be notified and sent to the address, facsimile number, or email address indicated below. Bank or Borrower may change its mailing or electronic mail address or facsimile number by giving the other party written notice thereof in accordance with the terms of this Section 10.

If to Borrower: FENNEC PHARMACEUTICALS, INC.
68 TW Alexander Drive
Research Triangle Park, NC 27709
Attn: Robert Andrade, CEO
EMAIL: randrade@fennecpharma.com

If to Bank: Bridge Bank, a division of Western Alliance Bank
12220 El Camino Real, Suite 100
San Diego, CA 92130
Attn: Bill Wickline
EMAIL: bill.wickline@bridgebank.com

The parties hereto may change the address at which they are to receive notices hereunder, by notice in writing in the foregoing manner given to the other.

11. CHOICE OF LAW AND VENUE; JURY TRIAL WAIVER.

This Agreement shall be governed by, and construed in accordance with, the internal laws of the State of California, without regard to principles of conflicts of law. Each of Borrower and Bank hereby submits to the exclusive jurisdiction of the state and Federal courts located in the County of Santa Clara, State of California. BORROWER AND BANK EACH HEREBY WAIVE THEIR RESPECTIVE RIGHTS TO A JURY TRIAL OF ANY CLAIM OR CAUSE OF ACTION BASED UPON OR ARISING OUT OF ANY OF THE LOAN DOCUMENTS OR ANY OF THE TRANSACTIONS CONTEMPLATED THEREIN, INCLUDING CONTRACT CLAIMS, TORT CLAIMS, BREACH OF DUTY CLAIMS, AND ALL OTHER COMMON LAW OR STATUTORY CLAIMS. EACH PARTY RECOGNIZES AND AGREES THAT THE FOREGOING WAIVER CONSTITUTES A MATERIAL INDUCEMENT FOR IT TO ENTER INTO THIS AGREEMENT. EACH PARTY REPRESENTS AND WARRANTS THAT IT HAS REVIEWED THIS WAIVER WITH ITS LEGAL COUNSEL AND THAT IT KNOWINGLY AND VOLUNTARILY WAIVES ITS JURY TRIAL RIGHTS FOLLOWING CONSULTATION WITH LEGAL COUNSEL.

12. JUDICIAL REFERENCE PROVISION.

12.1 In the event the Jury Trial Waiver set forth above is not enforceable, the parties elect to proceed under this Judicial Reference Provision.

12.2 With the exception of the items specified in Section 12.3, below, any controversy, dispute or claim (each, a “Claim”) between the parties arising out of or relating to this Agreement or any other document, instrument or agreement between the undersigned parties (collectively in this Section, the “Loan Documents”), will be resolved by a reference proceeding in California in accordance with the provisions of Sections 638 et seq. of the California Code of Civil Procedure (“CCP”), or their successor sections, which shall constitute the exclusive remedy for the resolution of any Claim, including whether the Claim is subject to the reference proceeding. Except as otherwise provided in the Loan Documents, venue for the reference proceeding will be in the state or federal court in the county or district where the real property involved in the action, if any, is located or in the state or federal court in the county or district where venue is otherwise appropriate under applicable law (the “Court”).

12.3 The matters that shall not be subject to a reference are the following: (i) nonjudicial foreclosure of any security interests in real or personal property, (ii) exercise of self-help remedies (including, without limitation, set-off), (iii) appointment of a receiver and (iv) temporary, provisional or ancillary remedies (including, without limitation, writs of attachment, writs of possession, temporary restraining orders or preliminary injunctions). This reference provision does not limit the right of any party to exercise or oppose any of the rights and remedies described in clauses (i) and (ii) or to seek or oppose from a court of competent jurisdiction any of the items described in clauses (iii) and (iv). The exercise of, or opposition to, any of those items does not waive the right of any party to a reference pursuant to this reference provision as provided herein.

12.4 The referee shall be a retired judge or justice selected by mutual written agreement of the parties. If the parties do not agree within ten (10) days of a written request to do so by any party, then, upon request of any party, the referee shall be selected by the Presiding Judge of the Court (or his or her representative). A request for appointment of a referee may be heard on an ex parte or expedited basis, and the parties agree that irreparable harm would result if ex parte relief is not granted. Pursuant to CCP § 170.6, each party shall have one peremptory challenge to the referee selected by the Presiding Judge of the Court (or his or her representative).

12.5 The parties agree that time is of the essence in conducting the reference proceedings. Accordingly, the referee shall be requested, subject to change in the time periods specified herein for good cause shown, to (i) set the matter for a status and trial-setting conference within fifteen (15) days after the date of selection of the referee, (ii) if practicable, try all issues of law or fact within one hundred twenty (120) days after the date of the conference and (iii) report a statement of decision within twenty (20) days after the matter has been submitted for decision.

12.6 The referee will have power to expand or limit the amount and duration of discovery. The referee may set or extend discovery deadlines or cutoffs for good cause, including a party's failure to provide requested discovery for any reason whatsoever. Unless otherwise ordered based upon good cause shown, no party shall be entitled to "priority" in conducting discovery, depositions may be taken by either party upon seven (7) days written notice, and all other discovery shall be responded to within fifteen (15) days after service. All disputes relating to discovery which cannot be resolved by the parties shall be submitted to the referee whose decision shall be final and binding.

12.7 Except as expressly set forth herein, the referee shall determine the manner in which the reference proceeding is conducted including the time and place of hearings, the order of presentation of evidence, and all other questions that arise with respect to the course of the reference proceeding. All proceedings and hearings conducted before the referee, except for trial, shall be conducted without a court reporter, except that when any party so requests, a court reporter will be used at any hearing conducted before the referee, and the referee will be provided a courtesy copy of the transcript. The party making such a request shall have the obligation to arrange for and pay the court reporter. Subject to the referee's power to award costs to the prevailing party, the parties will equally share the cost of the referee and the court reporter at trial.

12.8 The referee shall be required to determine all issues in accordance with existing case law and the statutory laws of the State of California. The rules of evidence applicable to proceedings at law in the State of California will be applicable to the reference proceeding. The referee shall be empowered to enter equitable as well as legal relief, enter equitable orders that will be binding on the parties and rule on any motion which would be authorized in a court proceeding, including without limitation motions for summary judgment or summary adjudication. The referee shall issue a decision at the close of the reference proceeding which disposes of all claims of the parties that are the subject of the reference. Pursuant to CCP § 644, such decision shall be entered by the Court as a judgment or an order in the same manner as if the action had been tried by the Court and any such decision will be final, binding and conclusive. The parties reserve the right to appeal from the final judgment or order or from any appealable decision or order entered by the referee. The parties reserve the right to findings of fact, conclusions of law, a written statement of decision, and the right to move for a new trial or a different judgment, which new trial, if granted, is also to be a reference proceeding under this provision.

12.9 If the enabling legislation which provides for appointment of a referee is repealed (and no successor statute is enacted), any dispute between the parties that would otherwise be determined by reference procedure will be resolved and determined by arbitration. The arbitration will be conducted by a retired judge or justice, in accordance with the California Arbitration Act §1280 through §1294.2 of the CCP as amended from time to time. The limitations with respect to discovery set forth above shall apply to any such arbitration proceeding.

12.10 THE PARTIES RECOGNIZE AND AGREE THAT ALL CONTROVERSIES, DISPUTES AND CLAIMS RESOLVED UNDER THIS REFERENCE PROVISION WILL BE DECIDED BY A REFEREE AND NOT BY A JURY. AFTER CONSULTING (OR HAVING HAD THE OPPORTUNITY TO CONSULT) WITH COUNSEL OF ITS, HIS OR HER OWN CHOICE, EACH PARTY KNOWINGLY AND VOLUNTARILY, AND FOR THE MUTUAL BENEFIT OF ALL PARTIES, AGREES THAT THIS REFERENCE PROVISION WILL APPLY TO ANY CONTROVERSY, DISPUTE OR CLAIM BETWEEN OR AMONG THEM ARISING OUT OF OR IN ANY WAY RELATED TO, THIS AGREEMENT OR THE OTHER LOAN DOCUMENTS.

13. GENERAL PROVISIONS.

13.1 Successors and Assigns. This Agreement shall bind and inure to the benefit of the respective successors and permitted assigns of each of the parties; provided, however, that neither this Agreement nor any rights hereunder may be assigned by Borrower without Bank's prior written consent, which consent may be granted or withheld in Bank's sole discretion. Bank shall have the right without the consent of or notice to Borrower to sell, transfer, negotiate, or grant participation in all or any part of, or any interest in, Bank's obligations, rights and benefits hereunder.

13.2 Indemnification. Borrower shall defend, indemnify and hold harmless Bank and its officers, employees, and agents against: (a) all obligations, demands, claims, and liabilities claimed or asserted by any other party in connection with the transactions contemplated by this Agreement; and (b) all losses or Bank Expenses in any way suffered, incurred, or paid by Bank as a result of or in any way arising out of, following, or consequential to transactions between Bank and Borrower whether under this Agreement, or otherwise (including without limitation reasonable attorneys' fees and expenses), except for losses caused by Bank's gross negligence or willful misconduct.

13.3 Time of Essence. Time is of the essence for the performance of all obligations set forth in this Agreement.

13.4 Severability of Provisions. Each provision of this Agreement shall be severable from every other provision of this Agreement for the purpose of determining the legal enforceability of any specific provision.

13.5 Amendments in Writing, Integration. Neither this Agreement nor the Loan Documents can be amended or terminated orally. All prior agreements, understandings, representations, warranties, and negotiations between the parties hereto with respect to the subject matter of this Agreement and the Loan Documents, if any, are merged into this Agreement and the Loan Documents.

13.6 Counterparts. This Agreement may be executed in any number of counterparts and by different parties on separate counterparts, each of which, when executed and delivered, shall be deemed to be an original, and all of which, when taken together, shall constitute but one and the same Agreement.

13.7 Survival. All covenants, representations and warranties made in this Agreement shall continue in full force and effect so long as any Obligations remain outstanding or Bank has any obligation to make Credit Extensions to Borrower. The obligations of Borrower to indemnify Bank with respect to the expenses, damages, losses, costs and liabilities described in Section 13.2 shall survive until all applicable statute of limitations periods with respect to actions that may be brought against Bank have run.

13.8 Confidentiality. In handling any confidential information Bank and all employees and agents of Bank, including but not limited to accountants, shall exercise the same degree of care that it exercises with respect to its own proprietary information of the same types to maintain the confidentiality of any non-public information thereby received or received pursuant to this Agreement except that disclosure of such information may be made (i) to the subsidiaries or affiliates of Bank in connection with their present or prospective business relations with Borrower, (ii) to prospective transferees or purchasers of any interest in the Loans, (iii) as required by law, regulations, rule or order, subpoena, judicial order or similar order, (iv) as may be required in connection with the examination, audit or similar investigation of Bank and (v) as Bank may determine in connection with the enforcement of any remedies hereunder. Confidential information hereunder shall not include information that either: (a) is in the public domain or in the knowledge or possession of Bank when disclosed to Bank, or becomes part of the public domain after disclosure to Bank through no fault of Bank; or (b) is disclosed to Bank by a third party, provided Bank does not have actual knowledge that such third party is prohibited from disclosing such information.

13.9 Patriot Act Notice. Bank notifies Borrower that, pursuant to the requirements of the USA Patriot Act, Title III of Pub. L. 107-56 (signed into law on October 26, 2001) (the “Patriot Act”), it is required to obtain, verify and record information that identifies Borrower, which information includes names and addresses and other information that will allow Bank to identify the Borrower in accordance with the Patriot Act.

14. NOTICE OF FINAL AGREEMENT.

BY SIGNING THIS DOCUMENT EACH PARTY REPRESENTS AND AGREES THAT: (A) THIS WRITTEN AGREEMENT REPRESENTS THE FINAL AGREEMENT BETWEEN THE PARTIES, (B) THERE ARE NO UNWRITTEN ORAL AGREEMENTS BETWEEN THE PARTIES, AND (C) THIS WRITTEN AGREEMENT MAY NOT BE CONTRADICTED BY EVIDENCE OF ANY PRIOR, CONTEMPORANEOUS, OR SUBSEQUENT ORAL AGREEMENTS OR UNDERSTANDINGS OF THE PARTIES.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed as of the date first above written.

FENNEC PHARMACEUTICALS, INC., A DELAWARE CORPORATION

By: _____

Title: _____

WESTERN ALLIANCE BANK, AN ARIZONA CORPORATION

By: _____

Title: _____

EXHIBIT A

DEBTOR: FENNEC PHARMACEUTICALS, INC.

SECURED PARTY: WESTERN ALLIANCE BANK, an Arizona corporation

**COLLATERAL DESCRIPTION ATTACHMENT
TO LOAN AND SECURITY AGREEMENT**

All personal property of Borrower (herein referred to as "Borrower" or "Debtor") whether presently existing or hereafter created or acquired, and wherever located, including, but not limited to:

(a) all accounts (including health-care-insurance receivables), chattel paper (including tangible and electronic chattel paper), deposit accounts, documents (including negotiable documents), equipment (including all accessions and additions thereto), general intangibles (including payment intangibles and software), goods (including fixtures), instruments (including promissory notes), inventory (including all goods held for sale or lease or to be furnished under a contract of service, and including returns and repossessions), investment property (including securities and securities entitlements), letter of credit rights, money, and all of Debtor's books and records with respect to any of the foregoing, and the computers and equipment containing said books and records;

(b) any and all cash proceeds and/or noncash proceeds of any of the foregoing, including, without limitation, insurance proceeds, and all supporting obligations and the security therefor or for any right to payment. All terms above have the meanings given to them in the California Uniform Commercial Code, as amended or supplemented from time to time.

Notwithstanding the foregoing, the Collateral shall not include any copyrights, patents, trademarks, servicemarks and applications therefor, now owned or hereafter acquired, or any claims for damages by way of any past, present and future infringement of any of the foregoing (collectively, the "Intellectual Property"); provided, however, that the Collateral shall include all accounts and general intangibles that consist of rights to payment and proceeds from the sale, licensing or disposition of all or any part, or rights in, the foregoing (the "Rights to Payment"). Notwithstanding the foregoing, if a judicial authority (including a U.S. Bankruptcy Court) holds that a security interest in the underlying Intellectual Property is necessary to have a security interest in the Rights to Payment, then the Collateral shall automatically, and effective as of the Effective Date, include the Intellectual Property to the extent necessary to permit perfection of Bank's security interest in the Rights to Payment.

EXHIBIT B-1

DISBURSEMENT LETTER

[____] __, 20[____]

The undersigned, being the duly elected and acting _____ of **FENNEC PHARMACEUTICALS, INC.**, a Delaware corporation (“**Borrower**”), does hereby certify to **WESTERN ALLIANCE BANK**, an Arizona corporation (“**Bank**”), in connection with that certain Loan and Security Agreement dated as of January [____], 2019, by and among Borrower and Bank (the “**Loan Agreement**”; with other capitalized terms used below having the meanings ascribed thereto in the Loan Agreement) that:

1. The representations and warranties made by Borrower in Section 5 of the Loan Agreement and in the other Loan Documents are true and correct in all material respects as of the date hereof.
2. No event or condition has occurred that would constitute an Event of Default under the Loan Agreement or any other Loan Document.
3. Borrower is in compliance with the covenants and requirements contained in Sections 5, 6 and 7 of the Loan Agreement.
4. All conditions referred to in Section 3 of the Loan Agreement to the making of the Loan to be made on or about the date hereof have been satisfied or waived by Bank.
5. No Material Adverse Effect has occurred.
6. The undersigned is a Responsible Officer.

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7. The proceeds of the Term Loan shall be disbursed as follows:

Disbursement from Bank:	
Loan Amount	\$ 12,500,000.00
Less:	
--Loan Fee	\$ ([])
--Interim Interest	\$ ([])
--Bank's Legal Fees	\$ ([])*
TOTAL TERM LOAN NET PROCEEDS	\$ _____

8. The aggregate net proceeds of the Term Loan shall be transferred to the Designated Deposit Account as follows:

Account Name: FENNEC PHARMACEUTICALS, INC.
Bank Name: []
Bank Address: []
Account Number: []
ABA Number: []

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* Legal fees and costs are through the Closing Date. Post-closing legal fees and costs, payable after the Closing Date, to be invoiced and paid post-closing.

Dated as of the date first set forth above.

BORROWER:

FENNEC PHARMACEUTICALS, INC.,
a Delaware corporation

By _____
Name: _____
Title: _____

BANK:

WESTERN ALLIANCE BANK,
an Arizona corporation

By _____
Name: _____
Title: _____

[Signature Page to Disbursement Letter]

EXHIBIT B-2

Loan Payment/Advance Request Form

To be submitted no later than 3:00 PM to be considered for same day processing)

To: Western Alliance Bank, an Arizona corporation

Fax: [(408) 282-1681]

Date: _____

From: _____
Borrower's Name

Authorized Signature

Authorized Signer's Name (please print)

Phone Number

To Account # _____

Borrower hereby requests funding in the amount of \$ _____ in accordance with the Term Loan as defined in the Loan and Security Agreement dated _____, 2019.

Borrower hereby authorizes the Bank to rely on facsimile stamp signatures and treat them as authorized by Borrower for the purpose of requesting the above advance.

All representations and warranties of Borrower stated in the Loan and Security Agreement are true, correct and complete in all material respects as of the date of this request; provided that those representations and warranties expressly referring to another date shall be true, correct and complete in all material respects as of such date.

Capitalized terms used herein and not otherwise defined have the meanings set forth in the Loan and Security Agreement.

EXHIBIT C

COMPLIANCE CERTIFICATE

TO: WESTERN ALLIANCE BANK, an Arizona corporation

FROM: _____

The undersigned authorized officer of FENNEC PHARMACEUTICALS, INC. hereby certifies that in accordance with the terms and conditions of the Loan and Security Agreement between Borrower and Bank (the "Agreement"), (i) Borrower is in complete compliance for the period ending _____ with all required covenants except as noted below and (ii) all representations and warranties of Borrower stated in the Agreement are true and correct as of the date hereof. Attached herewith are the required documents supporting the above certification. The Officer further certifies that these are prepared in accordance with Generally Accepted Accounting Principles (GAAP) and are consistently applied from one period to the next except as explained in an accompanying letter or footnotes.

Please indicate compliance status by circling Yes/No under "Complies" column.

<u>Reporting Covenant</u>	<u>Required</u>	<u>Complies</u>
Annual financial statements (CPA Audited)	FYE within 90 days	Yes No
Quarterly financial statements and Compliance Certificate	Prior to each Credit Extension, and monthly within 30 days	Yes No
Monthly cash balances statement	Prior to each Credit Extension, and monthly within 30 days	Yes No
10K and 10Q	Within 5 days of filing	Yes No
Annual operating budget, sales projections and operating plans approved by board of directors	Annually no later than 30 days prior to the beginning of each fiscal year	Yes No
Monthly Cash Burn (after Closing Date) 1: _____		
Unrestricted deposits with Bank \$ _____		
<u>Covenant</u>		
At all times after the Closing Date unrestricted cash and cash equivalents held at accounts at the Bank must be greater than or equal to three time the Monthly Cash Burn		Yes No
Deposit balances with Bank	\$ _____	
Deposit balance outside Bank	\$ _____	

1 Please attach separate sheet showing the calculation

Comments Regarding Exceptions: See Attached.

Sincerely,

SIGNATURE

TITLE

DATE

BANK USE ONLY

Received by:

AUTHORIZED SIGNER

Date:

Verified:

AUTHORIZED SIGNER

Date:

Compliance Status

Yes

No

EXHIBIT D

SECURED PROMISSORY NOTE (Term Loan)

\$[_____]

Dated: [_____]

FOR VALUE RECEIVED, the undersigned, FENNEC PHARMACEUTICALS, INC., a Delaware corporation with offices located at 68 TW Alexander Drive, Research Triangle Park, NC 27709 ("Borrower") HEREBY PROMISES TO PAY to the order of WESTERN ALLIANCE BANK ("Bank") the principal amount of TWELVE MILLION FIVE HUNDRED THOUSAND DOLLARS (\$12,500,000.00) or such lesser amount as shall equal the outstanding principal balance of the Term Loan made to Borrower by the Bank, plus interest on the aggregate unpaid principal amount of such Term Loan, at the rates and in accordance with the terms of the Loan and Security Agreement dated January [], 2019 by and between Borrower and the Bank (as amended, restated, supplemented or otherwise modified from time to time, the "Loan Agreement"). If not sooner paid, the entire principal amount and all accrued and unpaid interest hereunder shall be due and payable on the Maturity Date as set forth in the Loan Agreement. Any capitalized term not otherwise defined herein shall have the meaning attributed to such term in the Loan Agreement.

Principal, interest and all other amounts due with respect to the Term Loan, are payable in lawful money of the United States of America to the Bank as set forth in the Loan Agreement and this Secured Promissory Note (this "Note"). The principal amount of this Note and the interest rate applicable thereto, and all payments made with respect thereto, shall be recorded by the Bank and, prior to any transfer hereof, endorsed on the grid attached hereto which is part of this Note.

The Loan Agreement, among other things, (a) provides for the making of a secured Term Loan by the Bank to Borrower, and (b) contains provisions for acceleration of the maturity hereof upon the happening of certain stated events.

This Note may not be prepaid except as set forth in Section 2.2 (c) and Section 2.2(d) of the Loan Agreement.

This Note and the obligation of Borrower to repay the unpaid principal amount of the Term Loan, interest on the Term Loan and all other amounts due to the Bank under the Loan Agreement is secured under the Loan Agreement.

Presentment for payment, demand, notice of protest and all other demands and notices of any kind in connection with the execution, delivery, performance and enforcement of this Note are hereby waived.

Borrower shall pay all reasonable fees and expenses, including, without limitation, reasonable attorneys' fees and costs, incurred by the Bank in the enforcement or attempt to enforce any of Borrower's obligations hereunder not performed when due.

This Note shall be governed by, and construed and interpreted in accordance with, the internal laws of the State of California.

The ownership of an interest in this Note shall be registered on a record of ownership maintained by the Bank or its agent. Notwithstanding anything else in this Note to the contrary, the right to the principal of, and stated interest on, this Note may be transferred only if the transfer is registered on such record of ownership and the transferee is identified as the owner of an interest in the obligation. Borrower shall be entitled to treat the registered holder of this Note (as recorded on such record of ownership) as the owner in fact thereof for all purposes and shall not be bound to recognize any equitable or other claim to or interest in this Note on the part of any other person or entity.

[Balance of Page Intentionally Left Blank]

IN WITNESS WHEREOF, Borrower has caused this Note to be duly executed by one of its officers thereunto duly authorized on the date hereof.

BORROWER:

FENNEC PHARMACEUTICALS, INC.

By _____
Name: _____
Title: _____

Term Loan Note

LOAN INTEREST RATE AND PAYMENTS OF PRINCIPAL

Date	Principal Amount	Interest Rate	Scheduled Payment Amount	Notation By



FENNEC PHARMACEUTICALS ANNOUNCES \$12.5 MILLION DEBT FINANCING WITH BRIDGE BANK

Research Triangle Park, NC, February 4, 2019 – Fennec Pharmaceuticals Inc. (NASDAQ:FENC; TSX: FRX), a specialty pharmaceutical company focused on the development of PEDMARK™ (a unique formulation of sodium thiosulfate (STS) to be administered by infusion) for the prevention of ototoxicity induced by cisplatin chemotherapy in pediatric patients with solid tumors, announced a \$12.5 million senior debt facility with the Life Sciences Group at Bridge Bank.

The U.S. operating subsidiary of Fennec Pharmaceuticals Inc. entered into a Loan and Security Agreement with Bridge Bank, securing a \$12.5 million debt facility with a maturity date of October 1, 2023, which will be funded upon New Drug Application (NDA) approval of PEDMARK™ in the U.S. The Company intends to use the proceeds from the loan to provide working capital for commercialization activities for PEDMARK™ upon NDA approval.

“We welcome the commitment of Bridge Bank to Fennec as this debt facility provides us with the option to access minimally dilutive capital at an attractive cost upon NDA approval. With this facility, combined with our existing cash position, we believe we have sufficient resources to launch PEDMARK™,” stated Rosty Raykov, Chief Executive Officer of Fennec.

“PEDMARK™ is the first agent to receive Breakthrough Therapy designation from the U.S Food and Drug Administration for prevention of cisplatin-induced hear loss in pediatric patients,” said Justin McDonie, senior vice president of Bridge Bank’s Life Sciences Group. “Bridge Bank welcomes the opportunity to work alongside the Fennec Pharmaceuticals team and to provide flexible debt capital to support the launch of PEDMARK™ which addresses an unmet orphan condition.”

About Bridge Bank

Bridge Bank, a division of Western Alliance Bank, Member FDIC, helps business clients realize their growth ambitions. Founded in 2001 in Silicon Valley, Bridge Bank offers a better way to bank for small-market and middle-market businesses across many industries, as well as emerging technology companies and the private equity community. Geared to serving both venture-backed and non-venture-backed companies, Bridge Bank delivers a broad scope of financial solutions including growth capital, equipment and working capital credit facilities, sustainable energy project finance, venture debt, treasury management, asset-based lending, SBA and commercial real estate loans, ESOP finance and a full line of international products and services. Based in San Jose, Bridge Bank has eight offices in major markets across the country along with Western Alliance Bank’s powerful array of specialized financial services. Western Alliance Bank is the primary subsidiary of Phoenix-based Western Alliance Bancorporation. One of the country’s top-performing banking companies, Western Alliance has ranked in the top 10 on the Forbes “Best Banks in America” list for four consecutive years, 2016-2019. For more information, visit bridgebank.com.

About Fennec Pharmaceuticals

Fennec Pharmaceuticals Inc., is a specialty pharmaceutical company focused on the development of PEDMARK™ (a unique formulation of sodium thiosulfate (STS)) for the prevention of platinum-induced ototoxicity in pediatric patients. STS has received Orphan Drug Designation in the US in this setting. Further, PEDMARK™ received Breakthrough Therapy and Fast Track Designation by the FDA in March 2018. In Europe PEDMARK™ has been accepted by the EMA for Marketing Authorization Application submission via the PUMA pathway which if approved affords Fennec ten years regulatory exclusivity for the product. Fennec has a license agreement with Oregon Health and Science University (OHSU) for exclusive worldwide license rights to intellectual property directed to STS and its use for chemoprotection, including the prevention of ototoxicity induced by platinum chemotherapy, in humans. For more information, please visit www.fennecpharma.com.

Forward looking statements

Except for historical information described in this press release, all other statements are forward-looking. Forward-looking statements are subject to certain risks and uncertainties inherent in the Company's business that could cause actual results to vary, including such risks that regulatory and guideline developments may change, scientific data may not be sufficient to meet regulatory standards or receipt of required regulatory clearances or approvals (including the New Drug Application (NDA) approval of PEDMARK™ that is required to access the Bridge Bank facility), clinical results may not be replicated in actual patient settings, protection offered by the Company's patents and patent applications may be challenged, invalidated or circumvented by its competitors, the available market for the Company's products will not be as large as expected, the Company's products will not be able to penetrate one or more targeted markets, revenues will not be sufficient to fund further development and clinical studies, the Company may not meet its future capital requirements in different countries and municipalities, and other risks detailed from time to time in the Company's filings with the Securities and Exchange Commission including its Annual Report on Form 10-K for the year ended December 31, 2017. Fennec Pharmaceuticals, Inc. disclaims any obligation to update these forward-looking statements except as required by law.

The scientific information discussed in this news release related to PEDMARK™ is preliminary and investigative. Such product candidate is not approved by the U.S. Food and Drug Administration, Health Canada or other regulatory and no conclusions can or should be drawn regarding the safety or effectiveness of such product candidate.

For a more detailed discussion of related risk factors, please refer to our public filings available at www.sec.gov and www.sedar.com.

For further information, please contact:

Rosty Raykov
Chief Executive Officer
Fennec Pharmaceuticals Inc.
T: (919) 636-5144
