
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): July 22, 2010

LIGHTBRIDGE CORPORATION

(Exact name of registrant as specified in its charter)

Nevada
(State or other jurisdiction of incorporation)

000-28535
(Commission File Number)

91-1975651
(IRS Employer Identification No.)

1600 Tysons Boulevard, Suite 550, McLean, VA 22102
(Address of principal executive offices, including Zip Code)

Registrant's telephone number, including area code: **571.730.1200**

N/A
(Former name or former address, if changed since last report)

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))
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Item 1.01 Entry into a Material Definitive Agreement.

On July 22, 2010, Lightbridge Corporation (the “Company”) entered into a placement agency agreement (the “Agency Agreement”) with William Blair & Company, L.L.C. (the “Placement Agent”), pursuant to which the Placement Agent agreed to use its reasonable efforts to arrange for the sale of up to 2,069,992 shares of the Company’s common stock and warrants to purchase up to 1,034,996 shares of the Company’s common stock in a registered direct public offering (the “Offering”). The Placement Agent will be entitled to a cash fee of 6% of the gross proceeds paid to the Company for the securities the Company sells in this Offering. The Company will also reimburse the Placement Agent for all reasonable and documented out-of-pocket expenses that have been incurred by the Placement Agent in connection with the Offering, which shall not exceed the lesser of (i) \$150,000 or (ii) 8% of the gross proceeds of the Offering, less the Placement Agent’s placement fee.

The Agency Agreement contains customary representations, warranties and covenants by the Company. It also provides for customary indemnification by the Company and the Placement Agent for losses or damages arising out of or in connection with the sale of the securities being offered. The Company has agreed to indemnify the Placement Agent against liabilities under the Securities Act of 1933, as amended. The Company has also agreed to contribute to payments the Placement Agent may be required to make in respect of such liabilities.

Also on July 22, 2010, the Company and certain institutional investors entered into subscription agreements (the “Subscription Agreements”) in connection with the Offering, pursuant to which the Company agreed to sell an aggregate of 2,069,992 shares of its common stock and warrants to purchase a total of 1,034,996 shares of its common stock to such investors for aggregate gross proceeds, before deducting fees to the Placement Agent and other estimated offering expenses payable by the Company, of approximately \$13.7 million. The common stock and warrants were sold in fixed combinations, with each combination consisting of one share of common stock and a warrant to purchase 0.5 shares of common stock. The purchase price is \$6.60 per fixed combination. The warrants will become exercisable six months and one day following the closing date of the Offering and will remain exercisable for seven years from the date of issuance at an exercise price of \$9.00 per share. The exercise price of the warrants is subject to adjustment in the case of stock splits, stock dividends, combinations of shares and similar recapitalization transactions.

The exercisability of some of the warrants may be limited if, upon exercise, the holder or any of its affiliates would beneficially own more than 4.99% of the Company’s common stock. This limit may be increased to up to 9.99% upon no fewer than 60 days’ notice.

Under the Placement Agreement, the Company and each of its executive officers and directors have agreed with the Placement Agent that, subject to certain exceptions, it or he will not, within the 60 trading days following the closing of the Offering (which period may be extended in certain circumstances), enter into any agreement to issue or announce the issuance or proposed issuance of any securities.

The Company has also agreed to indemnify each of the purchasers against certain losses resulting from its breach of any of its representations, warranties, or covenants under agreements with each of the purchasers, as well as under certain other circumstances described in the Purchase Agreement.

The net proceeds to the Company from the Offering, after deducting placement agent fees and the estimated offering expenses borne by the Company, and excluding the proceeds, if any, from the exercise of the warrants issued in the Offering, are expected to be approximately \$12.8 million. The Offering will close on or before July 28, 2010. After giving effect to the Offering, but without giving effect to the exercise of the warrants being offered, the Company will have 12,419,967 shares of common stock outstanding.

The Offering was effected as a takedown off the Company’s shelf registration statement on Form S-3 (File No. 333-162671), which became effective on November 24, 2009 pursuant to a prospectus supplement to be filed with the Securities and Exchange Commission.

The foregoing summaries of the terms of the Agency Agreement, the form of warrant to be issued to the purchasers and the Purchase Agreement are subject to, and qualified in their entirety by, such documents attached hereto as Exhibits 1.1, 4.1, and 10.1 respectively, which are incorporated herein by reference.

Item 8.01 Other Events.

On July 23, 2010, the Company issued a press release announcing the pricing of the Offering. A copy of the press release is attached as Exhibit 99.1 hereto and incorporated by reference herein.

Item 9.01 Financial Statements and Exhibits.**(d) Exhibits.**

Exhibit No.	Description
1.1	Placement Agency Agreement, dated as of July 22, 2010, by and among the Company and William Blair & Company, L.L.C.
4.1	Form of Common Stock Purchase Warrant
5.1	Opinion of Pillsbury Winthrop Shaw Pittman LLP
5.2	Opinion of Gary R. Henrie, Esq.
10.1	Form of Subscription Agreement, dated as of July 22, 2010, by and between the Company and each of the purchasers identified on the signature pages thereto
99.1	Press Release dated July 23, 2010

Forward-Looking Statements

Certain statements in this Report are forward-looking statements that involve a number of risks and uncertainties. Such forward-looking statements include statements about the public offering of common stock described herein. For such statements, the Company claims the protection of the Private Securities Litigation Reform Act of 1995. Actual events or results may differ materially from the Company's expectations. Factors that could cause actual results to differ materially from those stated or implied by the Company's forward-looking statements are disclosed in its filings with the Commission. These forward-looking statements represent the Company's judgment as of the time of this report. The Company disclaims any intent or obligation to update these forward-looking statements, other than as may be required under applicable law.

SIGNATURES

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.

LIGHTBRIDGE CORPORATION

Date: July 23, 2010

By: /s/ Seth Grae
Name: Seth Grae
Title: Chief Executive Officer

PLACEMENT AGENCY AGREEMENT

July 22, 2010

William Blair & Company, L.L.C.
222 West Adams
Chicago, Illinois 60606

Ladies and Gentlemen:

Lightbridge Corporation, a Nevada corporation (the “*Company*”), proposes, subject to the terms and conditions herein, to issue and sell an aggregate of up to (i) 2,069,992 shares (the “*Shares*”) of its common stock, \$0.001 par value per share (the “*Common Stock*”), and (ii) warrants to purchase 1,034,996 shares of Common Stock (the “*Warrants*”), to certain investors (each an “*Investor*” and collectively the “*Investors*”), in an offering under its registration statement on Form S-3 (Registration No. 333-162671). The shares of Common Stock issuable upon exercise of the Warrants are hereinafter referred to as the “*Warrant Shares*” and the Shares, the Warrants and the Warrant Shares are hereinafter referred to as the “*Securities*.” The Securities are more fully described in the Prospectus (as defined in Section 2(a)(iii) hereof). The Company desires to engage William Blair & Company, L.L.C. as the Company’s exclusive placement agent (in such capacity, the “*Placement Agent*”) in connection with such issuance and sale of the Shares.

The Company hereby confirms its agreement with you as follows:

Section 1. Agreement to Act as Placement Agent

(a) On the basis of the representations, warranties and agreements of the Company herein contained, and subject to all the terms and conditions of this Placement Agency Agreement (this “*Agreement*”) between the Company and the Placement Agent, the Placement Agent shall act as placement agent on a commercially reasonable efforts basis, in connection with the issuance and sale by the Company of the Securities to the Investors in a proposed takedown under the Registration Statement (as defined in Section 2(a)(1) hereof), with the terms of the offering to be subject to market conditions and negotiations between the Company, the Placement Agent and the prospective Investors (such takedown shall be referred to herein as the “*Offering*”). As compensation for services rendered, and provided that any of the Securities are sold to Investors in the Offering, on the Closing Date (as defined in subsection (d) of this Section 1) of the Offering, the Company shall pay to the Placement Agent an amount equal to 6% of the gross proceeds received by the Company from the sale of the Securities (the “*Placement Fee*”). The sale of the Securities shall be made pursuant to securities purchase agreements in the form included as Exhibit A hereto (each, a “*Subscription Agreement*” and collectively, the “*Subscription Agreements*”) on the terms described on Exhibit B hereto. The Company shall have the sole right to accept offers to purchase the Securities and may reject any such offer in whole or in part. Notwithstanding the foregoing, it is understood and agreed that the Placement Agent or any of its affiliates may, solely at their discretion and without any obligation to do so, purchase Securities as principal; *provided, however*, that any such purchases by the Placement Agent (or its affiliates) shall be fully disclosed to the Company and approved by the Company in accordance with the previous sentence.

(b) This Agreement shall not give rise to any commitment by the Placement Agent to purchase any of the Securities, and the Placement Agent shall have no authority to bind the Company to accept offers to purchase the Securities. The Placement Agent shall act on a commercially reasonable efforts basis and does not guarantee that it will be able to raise new capital in the Offering. The Placement Agent may retain other brokers or dealers to act as sub-agents on its behalf in connection with the Offering, the fees of which shall be paid out of the Placement Fee. Prior to the earlier of (i) the date on which this Agreement is terminated and (ii) the Closing Date, the Company shall not, without the prior written consent of the Placement Agent, solicit or accept offers to purchase Securities (other than pursuant to the exercise of options or warrants to purchase shares of Common Stock that are outstanding at the date hereof) otherwise than through the Placement Agent in accordance herewith.

(c) The Company acknowledges and agrees that the Placement Agent shall act as an independent contractor, and not as a fiduciary, and any duties of the Placement Agent with respect to providing investment banking services to the Company, including the offering of the Securities contemplated hereby (including in connection with determining the terms of the Offering), shall be contractual in nature, as expressly set forth herein, and shall be owed solely to the Company. Each party hereto disclaims any intention to impose any fiduciary or similar duty on any other party hereto. Additionally, the Placement Agent has not advised, nor is advising, the Company or any other person as to any legal, tax, investment, accounting or regulatory matters in any jurisdiction with respect to the transactions contemplated hereby. The Company shall consult with its own advisors concerning such matters and shall be responsible for making its own independent investigation and appraisal of the transactions contemplated hereby, and the Placement Agent shall have no responsibility or liability to the Company with respect thereto. Any review by the Placement Agent of the Company, the transactions contemplated hereby or other matters relating to such transactions has been and will be performed solely for the benefit of the Placement Agent and has not been and shall not be performed on behalf of the Company or any other person. It is understood that the Placement Agent has not and will not be rendering an opinion to the Company as to the fairness of the terms of the Offering. Notwithstanding anything in this Agreement to the contrary, the Company acknowledges that the Placement Agent may have financial interests in the success of the Offering contemplated hereby that are not limited to the Placement Fee. The Company hereby waives and releases, to the fullest extent permitted by law, any claims that the Company may have against the Placement Agent with respect to any breach or alleged breach of fiduciary duty.

(d) Payment of the purchase price for, and delivery of, the Securities shall be made at a closing (the “Closing”) at the offices of Lowenstein Sandler PC, counsel for the Placement Agent, located at 65 Livingston Avenue, Roseland, NJ 07068 at 10:00 a.m., local time, as soon as practicable after the determination of the public offering price of the Securities, but not later than on July 28, 2010 (such date of payment and delivery being herein called the “Closing Date”). All such actions taken at the Closing shall be deemed to have occurred simultaneously. No Securities which the Company has agreed to sell pursuant to this Agreement and the Subscription Agreements shall be deemed to have been purchased and paid for, or sold by the Company, until such Securities shall have been delivered to the Investor thereof against payment therefore by such Investor. If the Company shall default in its obligations to deliver Securities to an Investor whose offer it has accepted, the Company shall indemnify and hold the Placement Agent harmless against any loss, claim or damage incurred by the Placement Agent arising from or as a result of such default by the Company.

(e) Concurrently with the execution and delivery of this Agreement, the Company, the Placement Agent and Collateral Agents, LLC, as escrow agent (the “Escrow Agent”), shall enter into an escrow agreement in substantially the form of Exhibit C attached hereto (the “Escrow Agreement”), pursuant to which an escrow account (the “Escrow Account”) will be established for the benefit of the Company and the Investors to settle their purchase through the facilities of The Depository Trust Company’s DWAC system. Prior to the Closing, each such Investor shall deposit into the Escrow Account an amount equal to the product of (x) the number of Securities such Investor has agreed to purchase and (y) the purchase price per unit as set forth on the cover page of the Prospectus (as defined below). The aggregate of such amounts is herein referred to as the “Escrow Funds”. On the Closing Date, the Escrow Agent will disburse the Escrow Funds to the Company and the Placement Agent as provided in the Escrow Agreement and the Company shall deliver or cause to be delivered the Securities to the Investors, with the delivery of the Shares to be made, if possible, through the facilities of The Depository Trust Company’s DWAC system, and the delivery of the Warrants to be made by mail to the Investors to the addresses set forth on the applicable Subscription Agreement.

(f) The Securities shall be registered in such names and in such denominations as the Placement Agent shall request by written notice to the Company.

Section 2. Representations, Warranties and Agreements of the Company.

The Company hereby represents, warrants and covenants to the Placement Agent as of the date hereof as follows:

(a) *Registration Statement.* (i) The Company has prepared and filed with the Securities and Exchange Commission (the “*Commission*”) a registration statement on Form S-3 (File No. 333-162671) under the Securities Act of 1933, as amended and the rules and regulations of the Commission thereunder (collectively, the “*Securities Act*”), and such amendments to such registration statement as may have been required to the date of this Agreement. Such registration statement has been declared effective by the Commission. Each part of such registration statement, at any given time, including amendments thereto at such time, the exhibits and any schedules thereto at such time, the documents incorporated by reference therein pursuant to Item 12 of Form S-3 under the Securities Act at such time and the documents and information otherwise deemed to be a part thereof or included therein by Rule 430A, 430B or 430C under the Securities Act or otherwise pursuant to the Securities Act at such time, is herein called the “*Registration Statement*.” Any registration statement filed by the Company pursuant to Rule 462(b) under the Securities Act is called the “*Rule 462(b) Registration Statement*” and, from and after the date and time of filing of the Rule 462(b) Registration Statement, the term “*Registration Statement*” shall include the Rule 462(b) Registration Statement. The Company and the transactions contemplated by this Agreement meet the requirements and comply with the conditions for the use of Form S-3 under the Securities Act. The offering of the Securities by the Company complies with the applicable requirements of Rule 415 under the Securities Act. The Company has complied with all requests of the Commission for additional or supplemental information.

(ii) No stop order preventing or suspending use of the Registration Statement, any Preliminary Prospectus (as defined in subsection (a)(iii) of this Section 2) or the Prospectus or the effectiveness of the Registration Statement, has been issued by the Commission, and no proceedings for such purpose have been instituted or, to the Company’s knowledge, are contemplated or threatened by the Commission.

(iii) The Company proposes to file with the Commission pursuant to Rule 424 under the Securities Act a final prospectus supplement relating to the Securities to a form of prospectus included in the Registration Statement relating to the Securities in the form heretofore delivered to the Placement Agent. Such prospectus included in the Registration Statement at the time it was declared effective by the Commission or in the form in which it has been most recently filed with the Commission on or prior to the date of this Agreement is hereinafter called the “*Base Prospectus*.” Such prospectus supplement, in the form in which it shall be filed with the Commission pursuant to Rule 424(b) (including the Base Prospectus as so supplemented) is hereinafter called the “*Prospectus*.” Any preliminary form of prospectus which is filed or used prior to filing of the Prospectus is hereinafter called a “*Preliminary Prospectus*.” Any reference herein to the Base Prospectus, any Preliminary Prospectus or the Prospectus or to any amendment or supplement to any of the foregoing shall be deemed to include any documents incorporated by reference therein pursuant to Item 12 of Form S-3 under the Securities Act as of the date of such prospectus, and, in the case of any reference herein to the Prospectus, also shall be deemed to include any documents incorporated by reference therein, and any supplements or amendments thereto, filed with the Commission after the date of filing of the Prospectus pursuant to Rule 424(b) under the Securities Act, and prior to the termination of the offering of the Securities by the Placement Agent.

(iv) For purposes of this Agreement, all references to the Registration Statement, the Base Prospectus, any Preliminary Prospectus, the Prospectus or any amendment or supplement to any of the foregoing shall be deemed to include the copy filed with the Commission pursuant to its Electronic Data Gathering, Analysis and Retrieval System (“EDGAR”). All references in this Agreement to amendments or supplements to the Registration Statement, the Base Prospectus, any Preliminary Prospectus or the Prospectus shall be deemed to mean and include the subsequent filing of any document under the Securities Exchange Act of 1934, as amended (collectively with the rules and regulations promulgated thereunder, the “Exchange Act”), and which is deemed to be incorporated by reference therein or otherwise deemed to be a part thereof.

(b) *Compliance with Registration Requirements.* As of the time of filing of the Registration Statement or any post-effective amendment thereto, at the time it became effective (including each deemed effective date with respect to the Placement Agent pursuant to Rule 430B under the Securities Act) and as of the Closing Date, the Registration Statement complied and will comply, in all material respects, with the requirements of the Securities Act and did not and will not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading. Each Preliminary Prospectus and the Prospectus, at the time of filing or the time of first use and as of the Closing Date, complied and will comply, in all material respects, with the requirements of the Securities Act and did not and will not contain an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; *provided*, that the Company makes no representations or warranty in this paragraph with respect to any Placement Agent Information (as defined in Section 7).

(c) *Disclosure Package.* As of the Time of Sale (as defined below) and as of the Closing Date, neither (A) the Issuer General Free Writing Prospectus(es) (as defined below) issued at or prior to the Time of Sale, the Prospectus or any Preliminary Prospectus (as amended or supplemented as of the Time of Sale), and the information included on Exhibit D hereto, all considered together (collectively, the “Disclosure Package”), nor (B) any individual Issuer Limited-Use Free Writing Prospectus (as defined below), when considered together with the Disclosure Package, included or will include any untrue statement of a material fact or omitted or will omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; *provided*, that the Company makes no representations or warranty in this paragraph with respect to any Placement Agent Information. No statement of material fact included in the Prospectus has been omitted from the Disclosure Package and no statement of material fact included in the Disclosure Package that is required to be included in the Prospectus has been omitted therefrom. As used in this paragraph and elsewhere in this Agreement:

(1) “Time of Sale” with respect to an Investor means the time of receipt and acceptance of an executed Subscription Agreement from such Investor.

(2) “Issuer Free Writing Prospectus” means any “issuer free writing prospectus,” as defined in Rule 433 under the Securities Act (“Rule 433”), relating to the Securities in the form filed or required to be filed with the Commission or, if not required to be filed, in the form retained in the Company’s records pursuant to Rule 433(g) under the Securities Act.

(3) “*Issuer General Free Writing Prospectus*” means any Issuer Free Writing Prospectus that is intended for general distribution to prospective investors as identified on Schedule I hereto, and does not include a “bona fide electronic road show” as defined in Rule 433.

(4) “*Issuer Limited-Use Free Writing Prospectus*” means any Issuer Free Writing Prospectus that is not an Issuer General Free Writing Prospectus, including any “bona fide electronic road show” as defined in Rule 433, that is made available without restriction pursuant to Rule 433(d)(8)(ii), even though not required to be filed with the Commission.

(d) *Conflict with Registration Statement.* Each Issuer Free Writing Prospectus, as of its issue date and at all subsequent times through the completion of the offering and sale of the Securities or until any earlier date that the Company notified or notifies the Placement Agent, did not, does not and will not include any information that conflicted, conflicts or will conflict with the information contained in the Registration Statement or the Prospectus including any document incorporated by reference therein and any prospectus supplement deemed to be a part thereof that has not been superseded or modified; provided, that the Company makes no representations or warranty in this paragraph with respect to any Placement Agent Information.

(e) *Distributed Materials.* The Company has not, directly or indirectly, distributed and will not distribute any prospectus or other offering material in connection with the offering and sale of the Securities other than any Preliminary Prospectus, the Disclosure Package or the Prospectus, and other materials, if any, permitted under the Securities Act to be distributed and consistent with Section 3(d) below. The Company will file with the Commission all Issuer Free Writing Prospectuses in the time required under Rule 433(d) under the Securities Act. The Company has satisfied or will satisfy the conditions in Rule 433 under the Securities Act to avoid a requirement to file with the Commission any electronic road show. The parties hereto agree and understand that the content of any and all “road shows” related to the offering of the Securities contemplated hereby is solely the property of the Company.

(f) *Not an Ineligible Issuer.* (1) At the time of filing the Registration Statement and (2) at the date hereof and at the Closing Date, the Company was not, is not and will not be an “ineligible issuer,” as defined in Rule 405 under the Securities Act, without taking account of any determination by the Commission pursuant to Rule 405 that it is not necessary that the Company be considered an ineligible issuer including, without limitation, for purposes of Rules 164 and 433 under the Securities Act with respect to the offering of the Securities as contemplated by the Registration Statement.

(g) *Incorporated Documents.* The documents incorporated by reference in the Disclosure Package and in the Prospectus, when they became effective or were filed with the Commission, as the case may be, conformed in all material respects to the requirements of the Securities Act or the Exchange Act, as applicable, and were filed on a timely basis with the Commission and none of such documents contained an untrue statement of a material fact or omitted to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading.

(h) *Due Incorporation.* The Company has been duly incorporated and is validly existing as a corporation in good standing under the laws of the State of Delaware, with the corporate power and authority to own its properties and to conduct its business as currently being carried on and as described in the Registration Statement, the Disclosure Package and the Prospectus. The Company is duly qualified to transact business as a foreign corporation and is in good standing under the laws of each other jurisdiction in which its ownership or leasing of property or the conduct of its business requires such qualification, except where the failure to be so qualified and in good standing would not, individually or in the aggregate, result in any material adverse effect upon, or material adverse change in, the general affairs, business, operations, prospects, properties, financial condition, or results of operations of the Company and the Subsidiaries (as defined below) taken as a whole (a “*Material Adverse Effect*”). The Company is duly qualified to transact business as a foreign corporation and is in good standing in each jurisdiction in which the conduct of its business or its ownership, leasing or operation of property requires such qualification, except to the extent that the failure to be so qualified or be in good standing would not result in a Material Adverse Effect.

(i) *Subsidiaries.* Each subsidiary of the Company (individually, a “*Subsidiary*” and collectively, the “*Subsidiaries*”) has been duly incorporated or organized, is validly existing as a corporation or other legal entity in good standing (or the foreign equivalent thereof) under the laws of the jurisdiction of its incorporation or organization, has the corporate power and authority to own its properties and to conduct its business as currently being carried on and as described in the Registration Statement, the Disclosure Package and the Prospectus and is duly qualified to transact business and is in good standing in each jurisdiction in which the conduct of its business or its ownership, leasing or operation of property requires such qualification, except to the extent that the failure to be so qualified or be in good standing would not result in a Material Adverse Effect. All of the issued and outstanding shares of capital stock or other equity interests of each Subsidiary of the Company have been duly and validly authorized and issued, are fully paid and non-assessable and, except as otherwise described in the Registration Statement, the Disclosure Package and in the Prospectus, are owned directly by the Company or through its wholly-owned subsidiaries, free and clear of all liens, encumbrances, equities or claims. There is no outstanding option, right or agreement of any kind relating to the issuance, sale or transfer of any capital stock or other equity securities of the Subsidiaries to any person or entity except the Company, and none of the outstanding shares of capital stock or other equity interests of any Subsidiary was issued in violation of any preemptive or other rights to subscribe for or to purchase or acquire any securities of any of the Subsidiaries. Except for its Subsidiaries, the Company owns no beneficial interest, directly or indirectly, in any corporation, partnership, joint venture or other business entity. The Company has no “significant subsidiaries” (as such term is defined in Rule 1-02(w) of Regulation S-X promulgated by the Commission) other than the Subsidiaries listed on Schedule II attached hereto.

(j) *Capitalization.* The Company has duly and validly authorized capital stock as set forth in each of the Registration Statement, Disclosure Package and Prospectus; all outstanding shares of Common Stock of the Company conform, or when issued will conform, to the description thereof in the Registration Statement, the Disclosure Package and the Prospectus and have been, or, when issued and paid for in the manner described herein will be, duly authorized, validly issued, fully paid and non-assessable; and except as disclosed in the Registration Statement, the Disclosure Package and the Prospectus, the issuance of the Securities to be purchased from the Company hereunder is not subject to preemptive or other similar rights, or any restriction upon the voting or transfer thereof pursuant to applicable law or the Company’s Articles of Incorporation, Bylaws or governing documents or any agreement to which the Company is a party or by which it may be bound.

(k) *Authorization, Issuance.* All corporate action required to be taken by the Company for the authorization, issuance and sale of the Securities has been duly and validly taken. The Shares and the Warrant Shares have been duly and validly authorized. When the Shares and the Warrant Shares have been issued and delivered against payment therefor as provided herein and in the Warrant, as the case may be, the Shares, when so issued and sold, and the Warrant Shares, when issued upon exercise of the Warrants, will be duly and validly issued, fully paid and non-assessable and the Investors or other persons in whose names Shares or Warrant Shares are registered will acquire good and valid title to such Shares or Warrant Shares, in each case free and clear of all liens, encumbrances, equities, preemptive rights and other claims. The Shares and the Warrant Shares will conform in all material respects to the description thereof contained in the Registration Statement, the Disclosure Package and the Prospectus. No further approval or authority of the shareholders or the Board of Directors of the Company will be required for the issuance and sale of the Shares, the Warrants or the Warrant Shares as contemplated herein and in the Subscription Agreements. The Warrants conform, or when issued will conform, to the description thereof contained in the Disclosure Package and the Prospectus and have been duly and validly authorized by the Company and upon delivery to the Investors at the Closing Date will be valid and binding obligations of the Company, enforceable in accordance with their terms, except as such enforceability may be limited by bankruptcy, insolvency, reorganization, moratorium or similar laws affecting the rights and remedies of creditors generally or subject to general principles of equity. Except as disclosed in each of the Disclosure Package and Prospectus, there are no outstanding subscriptions, rights, warrants, options, calls, convertible securities, commitments of sale or rights related to or entitling any person to purchase or otherwise to acquire any shares of, or any security convertible into or exchangeable or exercisable for, the capital stock of, or other ownership interest in, the Company, except for such options or rights as may have been granted by the Company to employees, directors or consultants pursuant to the Company’s Second Amended and Restated 2006 Stock Plan.

(l) *No Registration Rights.* Neither the filing of the Registration Statement nor the offering or sale of the Securities as contemplated by this Agreement gives rise to any rights, other than those which have been waived or satisfied, for or relating to the registration of any shares of Common Stock or other securities of the Company.

(m) *Due Authorization and Enforceability.* This Agreement, each Subscription Agreement and the Escrow Agreement have been duly authorized, executed and delivered by the Company, and constitutes a valid, legal and binding obligation of the Company, enforceable against the Company in accordance with its terms, except as rights to indemnity hereunder may be limited by federal or state securities laws and except as such enforceability may be limited by applicable bankruptcy, insolvency, reorganization or similar laws affecting the rights of creditors generally and subject to general principles of equity.

(n) *No Violation.* Neither the Company nor any of the Subsidiaries is in breach or violation of or in default (nor has any event occurred which with notice, lapse of time or both would result in any breach or violation of, or constitute a default) (i) under the provisions of its Articles of Incorporation, Bylaws or other governing documents, (ii) in the performance or observance of any term, covenant, obligation, agreement or condition contained in any indenture, mortgage, deed of trust, bank loan or credit agreement or other evidence of indebtedness, or any license, lease, contract or other agreement or instrument to which the Company or any of the Subsidiaries is a party or by which any of them or any of their properties may be bound or affected, except as set forth in the Registration Statement, the Disclosure Package and the Prospectus, or (iii) in the performance or observance of any statute, law, rule, regulation, ordinance, judgment, order or decree of any court, regulatory body, administrative agency, governmental body, arbitrator or other authority having jurisdiction over the Company, the Subsidiaries or any of their respective properties; except, with respect to clauses (ii) and (iii) above, to the extent any such contravention would not result in a Material Adverse Effect.

(o) *No Conflict.* Except as set forth in the Registration Statement, the Disclosure Package or the Prospectus, the execution, delivery and performance by the Company of this Agreement, each Subscription Agreement and the Escrow Agreement and the consummation of the transactions herein contemplated, including the issuance and sale by the Company of the Securities, will not conflict with or result in a breach or violation of, or constitute a default under (nor constitute any event which with notice, lapse of time or both would result in any breach or violation of or constitute a default under) (i) the provisions of the Articles of Incorporation, Bylaws or other governing documents of the Company or any of the Subsidiaries, (ii) any material indenture, mortgage, deed of trust, bank loan or credit agreement or other evidence of indebtedness, or any material license, lease, contract or other agreement or instrument to which the Company or any of the Subsidiaries is a party or by which any of them or any of their respective properties may be bound or affected, or (iii) any federal, state, local or foreign law, regulation or rule or any decree, judgment or order applicable to the Company or any of the Subsidiaries.

(p) *No Consents Required.* No approval, authorization, consent or order of or filing with any federal, state, local or foreign governmental or regulatory commission, board, body, authority or agency, or of or with any self-regulatory organization or other non-governmental regulatory authority (including, without limitation, the NASDAQ Capital Market), or approval of the stockholders of the Company (including as may be required pursuant to the rules and regulations of the Nasdaq Stock Market), is required in connection with the issuance and sale of the Shares or the consummation by the Company of the transactions contemplated hereby other than (i) as may be required under the Securities Act, and (ii) under the rules and regulations of the Financial Industry Regulatory Authority (“FINRA”). The Company has full power and authority to enter into this Agreement and each Subscription Agreement and to authorize, issue and sell the Securities as contemplated by this Agreement and each Subscription Agreement.

(q) *Absence of Material Changes.* Subsequent to the respective dates as of which information is given in the Disclosure Package, (a) neither the Company nor any of its Subsidiaries has incurred any material liability or obligation, direct or contingent, or entered into any material transaction not in the ordinary course of business, (b) neither the Company nor any of its Subsidiaries has purchased any of the Company’s outstanding capital stock, or declared, paid or otherwise made any dividend or distribution of any kind on the Company’s capital stock, except for the redemption (the “Stock Redemption”) of 28,710 shares of the Company’s Common Stock at a price of \$8.48 per share, or an aggregate of \$243,460.80, from the Company’s Chief Executive Officer which monies were then immediately used in their entirety by the executive officer to satisfy such officer’s tax obligations, (c) except for the Stock Redemption, there has not been any change in the capital stock (other than a change in the number of outstanding shares of Common Stock due to the issuance of shares of Common Stock upon the exercise of outstanding options or warrants which were disclosed in the Disclosure Package and the Prospectus), or material change in the short-term debt or long-term debt of the Company and its Subsidiaries or any issue of options, warrants, convertible securities or other rights to purchase the capital stock (other than grants of stock options under the Company’s Second Amended and Restated 2006 Stock Plan) of the Company, and (d) there has not been any material adverse change, or any development involving a prospective material adverse change, in the business, properties, management, financial condition or results of operations of the Company and the Subsidiaries, taken as a whole, from that set forth in the Disclosure Package (exclusive of any amendments or supplements thereto subsequent to the date of this Agreement).

(r) *Permits.* The Company and each of the Subsidiaries possess all necessary licenses, authorizations, consents and approvals and have made all necessary filings required under any federal, state, local or foreign law, regulation or rule (including, without limitation, those from the United States Nuclear Regulatory Commission (“USNRC”) and any other foreign, federal, state or local government or regulatory authorities performing functions similar to those performed by the USNRC) in order to conduct its business. Neither the Company nor any of the Subsidiaries is in violation of, or in default under, or has received notice of any proceedings relating to revocation or modification of, any such license, authorization, consent or approval. The Company and each of the Subsidiaries is in compliance in all material respects with all applicable federal, state, local and foreign laws, regulations, orders or decrees.

(s) *Legal Proceedings.* There are no legal or governmental proceedings pending or, to the Company's knowledge, threatened or contemplated to which the Company or any of the Subsidiaries is or would be a party or of which any of their respective properties is or would be subject at law or in equity, before or by any federal, state, local or foreign governmental or regulatory commission, board, body, authority or agency, or before or by any self-regulatory organization or other non-governmental regulatory authority (including, without limitation, NASDAQ Capital Market), except (i) as described in the Registration Statement, the Disclosure Package and the Prospectus, (ii) any such proceeding, which if resolved adversely to the Company or any Subsidiary, would not result in a judgment, decree or order having, individually or in the aggregate, a Material Adverse Effect or (iii) any such proceeding that would not prevent or materially and adversely affect the ability of the Company to consummate the transactions contemplated hereby. The Disclosure Package contains in all material respects the same description of the foregoing matters contained in the Prospectus.

(t) *Statutes; Contracts.* There are no statutes or regulations applicable to the Company or contracts or other documents of the Company which are required to be described in the Registration Statement, the Disclosure Package or the Prospectus or filed as exhibits to the Registration Statement by the Securities Act which have not been so described or filed.

(u) *Independent Accountants.* Child, Van Wagoner & Bradshaw PLLC, who has audited the financial statements of the Company and the Subsidiaries, is an independent registered public accounting firm (as defined in Section 2(a)(12) of the Sarbanes-Oxley Act of 2002 (the "*Sarbanes-Oxley Act*")) with respect to the Company within the meaning of the Securities Act and the applicable rules and regulations thereunder adopted by the Commission and the Public Company Accounting Oversight Board (United States).

(v) *Financial Statements.* The financial statements of the Company, together with the related schedules and notes thereto, set forth or incorporated by reference in the Registration Statement, the Disclosure Package and the Prospectus comply in all material respects with the applicable requirements of the Securities Act and the Exchange Act, as applicable, and present fairly in all material respects in accordance with generally accepted accounting principles as in effect in the United States ("*GAAP*") (i) the financial condition of the Company and the Subsidiaries, taken as a whole, as of the dates indicated and (ii) the consolidated results of operations, stockholders' equity and changes in cash flows of the Company and the Subsidiaries, taken as a whole, for the periods therein specified; and such financial statements and related schedules and notes thereto have been prepared in conformity with GAAP, consistently applied throughout the periods involved (except as otherwise stated therein and subject, in the case of unaudited financial statements, to the absence of footnotes and normal year-end adjustments). There are no other financial statements (historical or pro forma) that are required to be included in the Registration Statement, the Disclosure Package and the Prospectus; and the Company and the Subsidiaries do not have any material liabilities or obligations, direct or contingent (including any off-balance sheet obligations), not disclosed in the Registration Statement, the Disclosure Package and the Prospectus; and all disclosures contained in the Registration Statement, the Disclosure Package and the Prospectus regarding "non-GAAP financial measures" (as such term is defined by the rules and regulations of the Commission), if any, comply in all material respects with Regulation G of the Exchange Act and Item 10(e) of Regulation S-K of the Commission, to the extent applicable, and present fairly the information shown therein and the Company's basis for using such measures.

(w) *Not an Investment Company.* Neither the Company nor any of the Subsidiaries is or, after giving effect to the offering and sale of the Securities and the application of the proceeds thereof as described in the Prospectus, will be required to register as an "investment company" as defined in the Investment Company Act of 1940, as amended.

(x) *Good Title to Property.* The Company and each of the Subsidiaries has good and valid title to all property (whether real or personal) described in the Registration Statement, the Disclosure Package and the Prospectus as being owned by each of them, in each case free and clear of all liens, claims, security interests, other encumbrances or defects except such as are described in the Registration Statement, the Disclosure Package and the Prospectus and those that would not, individually or in the aggregate materially and adversely affect the value of such property and do not materially and adversely interfere with the use made and proposed to be made of such property by the Company and the Subsidiaries. All of the property described in the Registration Statement, the Disclosure Package and the Prospectus as being held under lease by the Company or a Subsidiary is held thereby under valid, subsisting and enforceable leases, without any liens, restrictions, encumbrances or claims, except those that, individually or in the aggregate, are not material and do not materially interfere with the use made and proposed to be made of such property by the Company and the Subsidiaries.

(y) *Intellectual Property Rights.* Except as described in the Registration Statement, the Disclosure Package and the Prospectus, the Company and the Subsidiaries own, or have obtained valid and enforceable licenses for, or other rights to use, the inventions, patent applications, patents, trademarks (both registered and unregistered), tradenames, copyrights, trade secrets and other proprietary information described in the Registration Statement, the Disclosure Package and the Prospectus as being owned or licensed by them or which are necessary for the conduct of their respective businesses (collectively, “*Intellectual Property*”), except where the failure to own, license or have such rights would not, individually or in the aggregate, result in a Material Adverse Effect. Except as described in the Registration Statement, the Disclosure Package and the Prospectus or as would not have a Material Adverse Effect (i) there are no third parties who have or, to the Company’s knowledge, will be able to establish rights to any Intellectual Property, except for the ownership rights of the owners of the Intellectual Property which is licensed to the Company; (ii) to the Company’s knowledge, there is no infringement by third parties of any Intellectual Property; (iii) there is no pending or, to the Company’s knowledge, threatened action, suit, proceeding or claim by others challenging the Company’s rights in or to, or the validity, enforceability, or scope of, any Intellectual Property owned by or licensed to the Company, and the Company is unaware of any facts which could form a reasonable basis for any such claim; (iv) there is no pending or, to the Company’s knowledge, threatened action, suit, proceeding or claim by others that the Company or any of the Subsidiaries infringes or otherwise violates any patent, trademark, copyright, trade secret or other proprietary rights of others, and the Company is unaware of any facts which could form a reasonable basis for any such claim; (v) to the Company’s knowledge, there is no patent or patent application that contains claims that interfere with the issued or pending claims of any of the Intellectual Property; and (vi) to the Company’s knowledge, there is no prior art that may render any patent owned by the Company invalid, nor is there any prior art known to the Company that may render any patent application owned by the Company unpatentable.

(z) *Taxes.* The Company and each of the Subsidiaries has timely filed all material federal, state, local and foreign income and franchise tax returns (or timely filed applicable extensions therefore) that have been required to be filed and are not in default in the payment of any taxes which were payable pursuant to said returns or any assessments with respect thereto, other than any which the Company or any of the Subsidiaries is contesting in good faith and for which adequate reserves have been provided and reflected in the Company’s financial statements included in the Registration Statement, the Disclosure Package and the Prospectus. Neither the Company nor any of its Subsidiaries has any tax deficiency that has been or, to the knowledge of the Company, might be asserted or threatened against it that would result in a Material Adverse Effect.

(aa) *Insurance.* The Company and each of the Subsidiaries maintains insurance in such amounts and covering such risks as is adequate for the conduct of its business and the value of its properties and as is customary for companies engaged in similar businesses in similar industries. All such insurance is fully in force on the date hereof and will be fully in force as of the Closing Date. Neither the Company nor any of the Subsidiaries has any reason to believe that it will not be able to renew its existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue its business at a cost that would not have a Material Adverse Effect.

(bb) *Accounting Controls.* The Company and each of the Subsidiaries maintains a system of internal accounting controls sufficient to provide reasonable assurances that (i) transactions are executed in accordance with management’s general or specific authorization, (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with generally accepted accounting principles as in effect in the United States and to maintain accountability for assets, (iii) access to assets is permitted only in accordance with management’s general or specific authorization, and (iv) the recorded accountability for assets is compared with existing assets at reasonable intervals and appropriate action is taken with respect to any differences.

(cc) *Disclosure Controls.* The Company has established, maintains and evaluates “disclosure controls and procedures” (as such term is defined in Rule 13a-15(e) and 15d-15(e) under the Exchange Act), which (i) are designed to ensure that material information relating to the Company is made known to the Company’s principal executive officer and its principal financial officer by others within the Company, particularly during the periods in which the periodic reports required under the Exchange Act are being prepared, (ii) have been evaluated for effectiveness as of the end of the last fiscal period covered by the Registration Statement, and (iii) such disclosure controls and procedures are effective to perform the functions for which they were established. There are no significant deficiencies or material weaknesses in the design or operation of internal controls which could adversely affect the Company’s ability to record, process, summarize, and report financial data to management and the Board of Directors. The Company is not aware of any fraud, whether or not material, that involves management or other employees who have a role in the Company’s internal controls; and since the date of the most recent evaluation of such disclosure controls and procedures, there have been no significant changes in internal controls or in other factors that could significantly affect internal controls, including any corrective actions with regard to significant deficiencies and material weaknesses.

(dd) *Corrupt Practices.* Neither the Company nor, to the Company’s knowledge, any other person associated with or acting on behalf of the Company, including without limitation any director, officer, agent or employee of the Company or its Subsidiaries has, directly or indirectly, while acting on behalf of the Company or its Subsidiaries (i) used any corporate funds for unlawful contributions, gifts, entertainment or other unlawful expenses relating to political activity, (ii) made any unlawful payment to foreign or domestic government officials or employees or to foreign or domestic political parties or campaigns from corporate funds, (iii) violated any provision of the Foreign Corrupt Practices Act of 1977, as amended, or (iv) made any other unlawful payment.

(ee) *No Price Stabilization.* Neither the Company nor any of the Subsidiaries nor, to the Company’s knowledge, any of their respective officers, directors, affiliates or controlling persons has taken or will take, directly or indirectly, any action designed to cause or result in, or which has constituted or which might reasonably be expected to constitute the stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of the Securities.

(ff) *No Undisclosed Relationships.* No relationship, direct or indirect, exists between or among the Company on the one hand and the directors, officers, stockholders, customers or suppliers of the Company on the other hand which is required to be described in the Registration Statement, the Disclosure Package and the Prospectus which has not been so described. There are no outstanding loans, advances (except normal advances for business expenses in the ordinary course of business) or guarantees of indebtedness by the Company to or for the benefit of any of the officers or directors of the Company or any member of their respective immediate families, except as disclosed in the Registration Statement, the Disclosure Package and the Prospectus. The Company has not, in violation of the Sarbanes Oxley Act, directly or indirectly, extended or maintained credit, arranged for the extension of credit, or renewed an extension of credit, in the form of a personal loan to or for any director or executive officer of the Company.

(g g) *Sarbanes-Oxley Act*. The Company, and to its knowledge after due inquiry, all of the Company's directors or officers, in their capacities as such, are in compliance in all material respects with all effective provisions of the Sarbanes-Oxley Act currently applicable to the Company and any related rules and regulations promulgated by the Commission.

(h h) *Brokers Fees*. Neither the Company nor any of the Subsidiaries is a party to any contract, agreement or understanding with any person (other than this Agreement) that would give rise to a valid claim against the Company or the Subsidiaries or the Placement Agent for a brokerage commission, finder's fee or other like payment in connection with the offering and sale of the Securities.

(ii) *Exchange Act Requirements*. The Company has filed in a timely manner (or received an extension and has filed prior to the expiration of such extension) all reports required to be filed pursuant to Sections 13(a), 13(e), 14 and 15(d) of the Exchange Act during the preceding 12 months (except to the extent that Section 15(d) requires reports to be filed pursuant to Sections 13(d) and 13(g) of the Exchange Act, which shall be governed by the next clause of this sentence); and the Company has filed in a timely manner all reports required to be filed pursuant to Sections 13(d) and 13(g) of the Exchange Act since January 1, 2004, except where the failure to timely file could not reasonably be expected individually or in the aggregate to have a Material Adverse Effect.

(jj) *FINRA Affiliations*. To the Company's knowledge, there are no affiliations or associations between (i) any member of FINRA and (ii) the Company or any of the Company's officers, directors or 5% or greater securityholders or any beneficial owner of the Company's unregistered equity securities that were acquired at any time on or after the one hundred eightieth (180th) day immediately preceding (A) the date the Registration Statement was initially filed with the Commission and (B) the date the Prospectus was filed with the Commission, except as set forth in the Registration Statement, the Disclosure Package and the Prospectus.

(kk) *Compliance with Environmental Laws*. The Company and the Subsidiaries (a) are in compliance with any and all applicable foreign, federal, state and local laws, orders, rules, regulations, directives, decrees and judgments relating to the protection of human health and safety, the environment or hazardous or toxic substances or wastes, pollutants or contaminants ("*Environmental Laws*"), (b) have received all permits, licenses or other approvals required of them under applicable Environmental Laws to conduct their respective businesses and (c) are in compliance with all terms and conditions of any such permit, license or approval, except where such noncompliance with Environmental Laws, failure to receive required permits, licenses or other approvals or failure to comply with the terms and conditions of such permits, licenses or approvals would not, individually or in the aggregate, result in a Material Adverse Effect. There are no costs or liabilities associated with Environmental Laws (including, without limitation, any capital or operating expenditures required for clean-up, closure of properties or compliance with Environmental Laws or any permit, license or approval, any related constraints on operating activities and any potential liabilities to third parties) which would, individually or in the aggregate, result in a Material Adverse Effect.

(ll) *No Labor Disputes*. Neither the Company nor any Subsidiary is engaged in any unfair labor practice; except for matters that would not, individually or in the aggregate, result in a Material Adverse Effect. (i) There is (A) no unfair labor practice complaint pending or, to the Company's knowledge after due inquiry, threatened against the Company or any Subsidiary before the National Labor Relations Board, and no grievance or arbitration proceeding arising out of or under collective bargaining agreements is pending or threatened, (B) no strike, labor dispute, slowdown or stoppage pending or, to the Company's knowledge after due inquiry, threatened against the Company or any Subsidiary and (C) to the Company's knowledge no union representation dispute currently existing concerning the employees of the Company or any Subsidiary, and (ii) to the Company's knowledge (A) no union organizing activities are currently taking place concerning the employees of the Company or any Subsidiary and (B) there has been no violation of any federal, state, local or foreign law relating to discrimination in the hiring, promotion or pay of employees or any applicable wage or hour laws concerning the employees of the Company or any Subsidiary, except as would not have a Material Adverse Effect.

(mm) *ERISA*. The Company is in compliance in all material respects with all presently applicable provisions of the Employee Retirement Income Security Act of 1974, as amended, including the regulations and published interpretations thereunder (“*ERISA*”); no “reportable event” (as defined in ERISA) has occurred with respect to any “pension plan” (as defined in ERISA) for which the Company would have any liability; the Company has not incurred and does not expect to incur liability under (i) Title IV of ERISA with respect to termination of, or withdrawal from, any “pension plan” or (ii) Sections 412 or 4971 of the Internal Revenue Code of 1986, as amended, including the regulations and published interpretations thereunder (the “*Code*”); and each “pension plan” for which the Company would have any liability that is intended to be qualified under Section 401(a) of the Code is so qualified in all material respects and nothing has occurred, whether by action or by failure to act, which would cause the loss of such qualification.

(nn) *NASDAQ Capital Market; Exchange Act Registration*. The Common Stock is registered pursuant to Section 12(b) of the Exchange Act and accepted for listing on the NASDAQ Capital Market, and the Company has taken no action designed to, or likely to have the effect of, terminating the registration of the Common Stock under the Exchange Act or delisting the Common Stock from the NASDAQ Capital Market, nor has the Company received any notification that the Commission or the NASDAQ Capital Market is contemplating terminating such registration or listing. The Company has complied in all material respects with the applicable requirements of the NASDAQ Capital Market for maintenance of listing of the Common Stock thereon.

(oo) *PFIC Status*. The Company is not, for the taxable year ended December 31, 2009, and upon consummation of the transactions described hereby and the application of the proceeds as described in the Registration Statement, the Disclosure Package and the Prospectus is not expected to become, a Passive Foreign Investment Company within the meaning of Section 1297 of the Internal Revenue Code, as amended.

(pp) *Statistical or Market-Related Data*. Any statistical, industry-related and market-related data included or incorporated by reference in the Registration Statement, the Disclosure Package and the Prospectus, is based on or derived from sources that the Company reasonably and in good faith believes to be reliable and accurate in all material respects, and such data agrees with the sources from which it is derived in all material respects.

(qq) *Descriptions of Documents*. The statements set forth in each of the Registration Statement, the Disclosure Package and the Prospectus describing the Securities and this Agreement, insofar as they purport to describe the provisions of the laws and documents referred to therein, are accurate, complete and fair in all material respects.

(rr) *Money Laundering Laws*. The operations of the Company are and have been conducted at all times in compliance in all material respects with applicable financial recordkeeping and reporting requirements of the Currency and Foreign Transactions Reporting Act of 1970, as amended, the money laundering statutes of all jurisdictions, the rules and regulations thereunder and any related or similar rules, regulations or guidelines, issued, administered or enforced by any governmental agency (collectively, the “*Money Laundering Laws*”) and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company with respect to the Money Laundering Laws is pending, or to the knowledge of the Company, threatened.

(ss) *OFAC*. Neither the Company nor any of its Subsidiaries nor, to the knowledge of the Company, any director, officer, agent, employee or affiliate of the Company or any of its Subsidiaries is currently subject to any U.S. sanctions administered by the Office of Foreign Assets Control of the U.S. Treasury Department (“*OFAC*”); and the Company will not directly or indirectly use the proceeds of the offering, or lend, contribute or otherwise make available such proceeds to any subsidiary, joint venture partner or other person or entity that, to the Company’s knowledge, will use such proceeds, for the purpose of financing the activities of any person currently subject to any U.S. sanctions administered by OFAC.

(tt) *Lock-Up Agreements*. The Company has obtained for the benefit of the Placement Agent the agreement, in the form set forth as Exhibit E hereto, of its directors and officers listed on Schedule III hereto (each a “*Lock-Up Agreement*” and collectively, the “*Lock-Up Agreements*”).

Any certificate signed by any officer of the Company or a Subsidiary and delivered to the Placement Agent or to counsel for the Placement Agent in connection with the offering of the Securities shall be deemed a representation and warranty by the Company (and not such officer in an individual capacity) to the Placement Agent as to the matters covered thereby.

Section 3. Covenants.

The Company covenants and agrees with the Placement Agent as follows:

(a) *Reporting Obligations; Exchange Act Compliance*. The Company will (i) file the Preliminary Prospectus, if any, and the Prospectus with the Commission within the time periods specified by Rule 424(b) and Rules 430A, 430B and 430C, as applicable, under the Securities Act, (ii) file any Issuer Free Writing Prospectus to the extent required by Rule 433 under the Securities Act, if applicable, (iii) file promptly all reports required to be filed by the Company with the Commission pursuant to Section 13(a), 13(c) or 15(d) of the Exchange Act subsequent to the date of the Prospectus and during such period as the Prospectus would be required by law to be delivered (whether physically or through compliance with Rule 172 under the Securities Act or any similar rule) (the “*Prospectus Delivery Period*”), and (iv) furnish copies of each Issuer Free Writing Prospectus, if any, (to the extent not previously delivered) to the Placement Agent prior to 11:00 a.m. Eastern time, on the second business day next succeeding the date of this Agreement in such quantities as the Placement Agent shall reasonably request.

(b) *Abbreviated Registration Statement*. If the Company elects to rely upon Rule 462(b) under the Securities Act, the Company shall file a registration statement under Rule 462(b) with the Commission in compliance with Rule 462(b) by 8:00 a.m., Eastern time, on the business day next succeeding the date of this Agreement, and the Company shall at the time of filing either pay to the Commission the filing fee for such Rule 462(b) registration statement or give irrevocable instructions for the payment of such fee pursuant to the Rules and Regulations.

(c) *Amendments or Supplements.* The Company will not, during the Prospectus Delivery Period in connection with the Offering contemplated by this Agreement, file any amendment or supplement to the Registration Statement or the Prospectus unless a copy thereof shall first have been submitted to the Placement Agent within a reasonable period of time prior to the filing thereof and the Placement Agent shall not have reasonably objected thereto in good faith.

(d) *Free Writing Prospectuses.* The Company will (i) not make any offer relating to the Securities that would constitute an “issuer free writing prospectus” (as defined in Rule 433) or that would otherwise constitute a “free writing prospectus” (as defined in Rule 405 under the Securities Act) required to be filed by the Company with the Commission under Rule 433 under the Securities Act unless the Placement Agent approves its use in writing prior to first use (each, a “*Permitted Free Writing Prospectus*”); provided that the prior written consent of the Placement Agent hereto shall be deemed to have been given in respect of the Issuer Free Writing Prospectus(es) included in Schedule I hereto, (ii) treat each Permitted Free Writing Prospectus as an Issuer Free Writing Prospectus, (iii) comply with the requirements of Rules 164 and 433 under the Securities Act applicable to any Issuer Free Writing Prospectus, including the requirements relating to timely filing with the Commission, legending and record keeping and (iv) not take any action that would result in the Placement Agent or the Company being required to file with the Commission pursuant to Rule 433(d) under the Securities Act a free writing prospectus prepared by or on behalf of such Placement Agent that such Placement Agent otherwise would not have been required to file thereunder. The Company will satisfy the conditions in Rule 433 under the Securities Act to avoid a requirement to file with the Commission any electronic road show.

(e) *Notice to Placement Agent.* The Company will notify the Placement Agent promptly, and will, if requested, confirm such notification in writing: (i) of the receipt of any comments of, or requests for additional information from, the Commission; (ii) of the time and date of any filing of any post-effective amendment to the Registration Statement or any amendment or supplement to the Disclosure Package or the Prospectus; (iii) of the time and date when any post-effective amendment to the Registration Statement becomes effective; (iv) of the issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement, or any post-effective amendment thereto or any order preventing or suspending the use of any prospectus included in the Disclosure Package, the Prospectus or any Issuer Free Writing Prospectus, or the initiation of any proceedings for that purpose or the threat thereof; (v) of receipt by the Company of any notification with respect to any suspension or the approval of the Shares and Warrant Shares from any securities exchange upon which they are listed for trading or included or designated for quotation, or the initiation or threatening of any proceeding for such purpose. The Company will use its best efforts to prevent the issuance or invocation of any such stop order or suspension by the Commission and, if any such stop order or suspension is so issued or invoked, to obtain as soon as possible the withdrawal or removal thereof.

(f) *Filing of Amendments or Supplements.* If, during the Prospectus Delivery Period, any event shall occur or condition exist as a result of which it is necessary to amend or supplement the Prospectus (or, if the Prospectus is not yet available to prospective purchasers, the Disclosure Package) in order to make the statements therein, in the light of the circumstances when the Prospectus (or, if the Prospectus is not yet available to prospective purchasers, the Disclosure Package) is delivered to an Investor, not misleading, or if, in the opinion of counsel for the Placement Agent, it is necessary to amend or supplement the Prospectus (or, if the Prospectus is not yet available to prospective purchasers, the Disclosure Package) to comply with applicable law, forthwith to prepare, file with the Commission and furnish, at its own expense, to the Placement Agent, either amendments or supplements to the Prospectus (or, if the Prospectus is not yet available to prospective purchasers, the Disclosure Package) so that the statements in the Prospectus (or, if the Prospectus is not yet available to prospective purchasers, the Disclosure Package) as so amended or supplemented will not, in the light of the circumstances when the Prospectus (or, if the Prospectus is not yet available to prospective purchasers, the Disclosure Package) is delivered to an Investor, be misleading or so that the Prospectus (or, if the Prospectus is not yet available to prospective purchasers, the Disclosure Package), as amended or supplemented, will comply with law. If at any time following issuance of an Issuer Free Writing Prospectus there occurred or occurs an event or development as a result of which such Issuer Free Writing Prospectus conflicted or would conflict with the information contained in the Registration Statement relating to the Securities or included or would include an untrue statement of a material fact or omitted or would omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances prevailing at that subsequent time, not misleading, the Company promptly will notify the Placement Agent and will promptly amend or supplement, at its own expense, such Issuer Free Writing Prospectus to eliminate or correct such conflict, untrue statement or omission.

(g) *Delivery of Copies.* The Company will deliver promptly to the Placement Agent and their counsel such number of the following documents as the Placement Agent shall reasonably request: (i) conformed copies of the Registration Statement as originally filed with the Commission and each amendment thereto (in each case excluding exhibits), (ii) copies of any Preliminary Prospectus or Issuer Free Writing Prospectus, (iii) during the Prospectus Delivery Period, copies of the Prospectus (or any amendments or supplements thereto); (iii) any document incorporated by reference in the Prospectus (other than any such document that is filed with the Commission electronically via EDGAR or any successor system) and (iv) all correspondence to and from, and all documents issued to and by, the Commission in connection with the registration of the Securities under the Securities Act.

(h) *Earnings Statement.* As soon as practicable, but in any event not later than 15 months after the end of the Company's current fiscal quarter, the Company will make generally available to holders of its securities and deliver to the Placement Agent, an earnings statement of the Company (which need not be audited) that will satisfy the provisions of Section 11(a) and Rule 158 of the Securities Act.

(i) *Use of Proceeds.* The Company will apply the net proceeds from the sale of the Securities in the manner set forth in the Registration Statement, Disclosure Package and the Prospectus under the heading "Use of Proceeds".

(j) *Public Communications.* Prior to the Closing Date, the Company will not issue any press release or other communication directly or indirectly or hold any press conference with respect to the Company, its condition, financial or otherwise, or the earnings, business, operations or prospects of any of them, or the offering of the Securities, without the prior consent of the Placement Agent, unless in the reasonable judgment of the Company and its counsel, and after notification to the Placement Agent, such press release or communication is required by law, in which case the Company shall use its reasonable best efforts to allow the Placement Agent reasonable time to comment on such release or other communication in advance of such issuance.

(k) *Lock-Up Period.* For a period of 60 days after the date hereof (the "*Lock-Up Period*"), the Company will not directly or indirectly, (1) offer to sell, hypothecate, pledge, announce the intention to sell, sell, contract to sell, sell any option or contract to purchase (to the extent such option or contract to purchase is exercisable within one year from the Closing Date), purchase any option or contract to sell, grant any option, right or warrant to purchase or otherwise transfer or dispose of, directly or indirectly, or establish or increase a put equivalent position or liquidate or decrease a call equivalent position within the meaning of Section 16 of the Exchange Act, with respect to, any shares of Common Stock, or any securities convertible into or exercisable or exchangeable for shares of Common Stock; (2) file or cause to become effective a registration statement under the Securities Act relating to the offer and sale of any shares of Common Stock or securities convertible into or exercisable or exchangeable for shares of Common Stock or (3) enter into any swap or other agreement that transfers, in whole or in part, any of the economic consequences of ownership of the Common Stock, whether any such transaction described in clauses (1), (2) or (3) above is to be settled by delivery of shares of Common Stock or such other securities, in cash or otherwise, without the prior written consent of the Placement Agent (which consent may be withheld in its sole discretion), other than (i) the Securities to be sold hereunder, (ii) the issuance of stock options or shares of restricted stock to employees, directors and consultants pursuant to the Company's Second Amended and Restated 2006 Stock Plan, (iii) issuances of shares of Common Stock upon the exercise of options or warrants disclosed as outstanding in the Disclosure Package and the Prospectus or upon the conversion or exchange of convertible or exchangeable securities disclosed as outstanding in the Disclosure Package and the Prospectus, (iv) the issuance by the Company of any shares of Common Stock as consideration for mergers, acquisitions, other business combinations, or strategic alliances, occurring after the date of this Agreement; *provided* that each recipient of shares pursuant to this clause (iv) agrees that all such shares remain subject to restrictions substantially similar to those contained in this subsection 3(k), or (v) the purchase or sale of the Company's securities pursuant to a plan, contract or instruction that satisfies all of the requirements of Rule 10b5-1(c)(1)(i)(B) that was in effect prior to the date hereof. Notwithstanding the foregoing, for the purpose of allowing the Placement Agent to comply with FINRA Rule 2711(f)(4), if (1) during the last 17 days of the Lock-Up Period, the Company releases earnings results or publicly announces other material news or a material event relating to the Company occurs or (2) prior to the expiration of the Lock-Up Period, the Company announces that it will release earnings results during the 16 day period beginning on the last day of the Lock-Up Period, then in each case the Lock-Up Period will be extended until the expiration of the 18 day period beginning on the date of release of the earnings results or the public announcement regarding the material news or the occurrence of the material event, as applicable, unless the Placement Agent waives, in writing, such extension. The Placement Agent agrees to waive such extension if the provisions of FINRA Rule 2711(f)(4) are not applicable to the Offering. The Company agrees not to accelerate the vesting of any option or warrant or the lapse of any repurchase right prior to the expiration of the Lock-Up Period.

(l) *Stabilization.* The Company will not take directly or indirectly any action designed, or that might reasonably be expected to cause or result in, or that will constitute, stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of any of the Securities.

(m) *Transfer Agent.* The Company shall maintain, at its expense, a transfer agent and, if necessary under the jurisdiction of incorporation of the Company, a registrar for the Shares and Warrant Shares.

(n) *Investment Company Act.* The Company shall not invest, or otherwise use the proceeds received by the Company from its sale of the Securities in such a manner as would require the Company to register as an investment company under the Investment Company Act.

(o) *Sarbanes-Oxley Act.* The Company will comply with all effective provisions of the Sarbanes Oxley Act applicable to the Company.

(p) *Periodic Reports.* The Company will file with the Commission such periodic and special reports as required by the Exchange Act.

(q) *NASDAQ Capital Market.* The Company will use its reasonable best efforts to obtain approval for, and maintain the listing of the Shares and the Warrant Shares on the NASDAQ Capital Market for so long as the Common Stock is listed thereon.

Section 4. Costs and Expenses.

The Company, whether or not the transactions contemplated hereunder are consummated or this Agreement is terminated, will pay or reimburse if paid by the Placement Agent all costs and expenses incident to the performance of its obligations under this Agreement and in connection with the transactions contemplated hereby, including but not limited to costs and expenses of or relating to (i) the preparation, printing, filing, delivery and shipping of the Registration Statement, any Issuer Free Writing Prospectus, each Preliminary Prospectus, the Disclosure Package and the Prospectus, and any amendment or supplement to any of the foregoing and the printing and furnishing of copies of each thereof to the Placement Agent and dealers (including costs of mailing and shipment), (ii) the registration, issue, sale and delivery of the Securities including any stock or transfer taxes and stamp or similar duties payable upon the sale, issuance or delivery of the Securities and the printing, delivery, shipping of the certificates representing the Securities, (iii) the fees and expenses of any transfer agent or registrar for the Securities, (iv) the filing fees required to be paid by the Placement Agent or Company with FINRA (including all COBRADesk fees), (v) fees, disbursements and other charges of counsel to the Company (vi) listing fees, if any, for the listing or quotation of the Shares and Warrant Shares and on the NASDAQ Capital Market, (vii) fees and disbursements of the Company's auditor incurred in delivering the letters described in Sections 5(i) hereof, and (viii) the costs and expenses of the Company in connection with the marketing of the Offering and the sale of the Securities to prospective investors including, but not limited to, those related to any presentations or meetings undertaken in connection therewith including, without limitation, expenses associated with the production of road show slides and graphics, fees and expenses of any consultants (other than the Placement Agent) engaged by the Company in connection with the road show presentations, travel, lodging and other expenses incurred by the officers of the Company and any such consultants, and the cost of any aircraft or other transportation chartered by the Company in connection with the road show.

If the Offering is consummated, the Company shall reimburse the Placement Agent for all reasonable out-of-pocket expenses incurred by the Placement Agent in connection with the Offering, including, but not limited to (i) the fees and disbursements of counsel to the Placement Agent and (ii) travel, lodging, and other road show expenses, mailing, printing and reproduction expenses, and any expenses incurred by the Placement Agent in conducting due diligence of the Company. Notwithstanding the foregoing, the expenses of the Placement Agent which the Company shall be obligated to reimburse hereunder shall not exceed the lesser of (i) an amount equal to \$150,000 in the aggregate or (ii) 8% of the gross proceeds received by the Company from the sale of the Securities, less the Placement Fee. It is understood that except as provided in this Section 4, Section 6 and Section 8(b), the Placement Agent shall pay all of their own expenses.

Section 5. Conditions of Placement Agent's Obligations.

The obligations of the Placement Agent hereunder are subject to the following conditions:

(a) *Filings with the Commission.* The Prospectus shall have been filed with the Commission pursuant to Rule 424(b) under the Securities Act at or before 5:30 p.m., Eastern time, on the second full business day after the date of this Agreement (or such earlier time as may be required under the Securities Act).

(b) *Abbreviated Registration Statement.* If the Company has elected to rely upon Rule 462(b), the registration statement filed under Rule 462(b) shall have become effective under the Securities Act by 8:00 a.m., Eastern time, on the business day next succeeding the date of this Agreement.

(c) *No Stop Orders.* Prior to the Closing: (i) no stop order suspending the effectiveness of the Registration Statement shall have been issued under the Securities Act and no proceedings initiated under Section 8(d) or 8(e) of the Securities Act for that purpose shall be pending or threatened by the Commission, and (ii) any request for additional information on the part of the Commission (to be included in the Registration Statement, the Disclosure Package, the Prospectus or any Issuer Free Writing Prospectus or otherwise) shall have been complied with to the reasonable satisfaction of the Placement Agent.

(d) *Action Preventing Issuance.* No action shall have been taken and no statute, rule, regulation or order shall have been enacted, adopted or issued by any governmental agency or body which would, as of the Closing Date, prevent the issuance or sale of the Securities; and no injunction, restraining order or order of any other nature by any federal or state court of competent jurisdiction shall have been issued as of the Closing Date which would prevent the issuance or sale of the Securities.

(e) *Objection of Placement Agent.* No prospectus or amendment or supplement to the Registration Statement shall have been filed to which the Placement Agent shall have objected in writing, which objection shall not be unreasonable. The Placement Agent shall not have advised the Company that the Registration Statement, the Disclosure Package or the Prospectus, or any amendment thereof or supplement thereto, or any Issuer Free Writing Prospectus contains an untrue statement of fact which, in their opinion, is material, or omits to state a fact which, in their opinion, is material and is required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading.

(f) *No Material Adverse Change.* (i) Prior to the Closing, there shall not have occurred any change, or any development involving a prospective change, in the condition, financial or otherwise, or in the earnings, business or operations of the Company from that set forth in the Disclosure Package and the Prospectus that, in the Placement Agent's judgment, is material and adverse and that makes it, in the Placement Agent's judgment, impracticable to market the Securities on the terms and in the manner contemplated in the Disclosure Package.

(ii) There shall not have occurred any of the following: (i) a suspension or material limitation in trading in securities generally on the New York Stock Exchange, the NASDAQ Stock Market, the NASDAQ Global Select Market, the NASDAQ Global Market, the NASDAQ Capital Market, the NYSE Amex or the over the counter market or the establishing on such exchanges or markets by the SEC or by such exchanges or markets of minimum or maximum prices that are not in force and effect on the date hereof; (ii) a suspension or material limitation in trading in the Company's securities on the NASDAQ Capital Market or any other exchange or market or the establishing on any such market or exchange by the SEC or by such market of minimum or maximum prices that are not in force and effect on the date hereof; (iii) a general moratorium on commercial banking activities declared by either federal or any state authorities; (iv) the outbreak or escalation of hostilities involving the United States or the declaration by the United States of a national emergency or war, which in the Placement Agent's judgment makes it impracticable or inadvisable to proceed with the public offering or the delivery of the Securities in the manner contemplated in the Prospectus; or (v) any calamity or crisis, change in national, international or world affairs, act of God, change in the international or domestic markets, or change in the existing financial, political or economic conditions in the United States or elsewhere, that in the Placement Agent's judgment makes it impracticable or inadvisable to proceed with the public offering or the delivery of the Securities in the manner contemplated in each of the Disclosure Package and the Prospectus.

(g) *Representations and Warranties.* Each of the representations and warranties of the Company contained herein shall be true and correct when made and on and as of the Closing Date, as if made on such date (except that those representations and warranties that address matters only as of a particular date shall remain true and correct as of such date), and all covenants and agreements herein contained to be performed on the part of the Company and all conditions herein contained to be fulfilled or complied with by the Company at or prior to the Closing Date shall have been duly performed, fulfilled or complied with.

(h) *Opinion of Counsel to the Company.* The Placement Agent shall have received from Pillsbury Winthrop Shaw Pittman LLP and Gary R. Henrie, Esq., counsel to the Company, such counsel's written opinions, addressed to the Placement Agent and dated the Closing Date, in form and substance as set forth in Exhibit F and Exhibit G attached hereto.

(i) The Placement Agent shall have received from Child, Van Wagoner & Bradshaw PLLC letters dated, respectively, the date of the Prospectus and the Closing Date, and addressed to the Placement Agent in customary forms reasonably satisfactory to the Placement Agent, which letters shall cover, without limitation, the various financial disclosures contained in the Registration Statement, the Prospectus and the Permitted Free Writing Prospectuses relating to the Company, if any.

(j) *Officer's Certificate.* The Placement Agent shall have received on the Closing Date a certificate, addressed to the Placement Agent and dated the Closing Date, of the chief executive or chief operating officer and the chief financial officer or chief accounting officer of the Company to the effect that:

(i) each of the representations, warranties and agreements of the Company in this Agreement were true and correct when originally made and are true and correct as of the Time of Sale and the Closing Date (except that those representations and warranties that address matters only as of a particular date shall remain true and correct as of such date); and the Company has complied with all agreements and satisfied all the conditions on its part required under this Agreement to be performed or satisfied at or prior to the Closing Date;

(ii) subsequent to the respective dates as of which information is given in the Disclosure Package, there has not been (A) a material adverse change or any development involving a prospective material adverse change in the general affairs, business, properties, management, financial condition or results of operations of the Company and the Subsidiaries taken as a whole, (B) any transaction that is material to the Company and the Subsidiaries taken as a whole, except transactions entered into in the ordinary course of business, (C) any obligation, direct or contingent, that is material to the Company and the Subsidiaries taken as a whole, incurred by the Company or the Subsidiaries, except obligations incurred in the ordinary course of business, (D) except as disclosed in the Disclosure Package and in the Prospectus, any change in the capital stock (other than a change in the number of outstanding shares of Common Stock due to the issuance of shares upon the exercise of outstanding options or warrants) or any material change in the short term or long term indebtedness of the Company or any of the Subsidiaries taken as a whole, (E) any dividend or distribution of any kind declared, paid or made on the capital stock of the Company or any of the Subsidiaries or (F) any loss or damage (whether or not insured) to the property of the Company or any of its Subsidiaries which has been sustained or will have been sustained which has had or is reasonably likely to result in a Material Adverse Effect;

(iii) no stop order suspending the effectiveness of the Registration Statement or any part thereof or any amendment thereof or the qualification of the Securities for offering or sale, nor suspending or preventing the use of the Disclosure Package, the Prospectus or any Issuer Free Writing Prospectus shall have been issued, and no proceedings for that purpose shall be pending or to their knowledge, threatened by the Commission or any state or regulatory body; and

(iv) the signers of said certificate have reviewed the Registration Statement, the Disclosure Package and the Prospectus, and any amendments thereof or supplements thereto (and any documents filed under the Exchange Act and deemed to be incorporated by reference into the Disclosure Package and the Prospectus), and (A) (i) each part of the Registration Statement and any amendment thereof do not and did not contain when the Registration Statement (or such amendment) became effective, any untrue statement of a material fact or omit to state, and did not omit to state when the Registration Statement (or such amendment) became effective, any material fact required to be stated therein or necessary to make the statements therein not misleading and (ii) as of the Time of Sale, neither the Disclosure Package nor any individual Issuer Limited Use Free Writing Prospectus, when considered together with the Disclosure Package, contained any untrue statement of material fact or omits to state any material fact necessary to make the statements therein, in light of the circumstances under which they were made, not misleading and (iii) the Prospectus, as amended or supplemented, does not and did not contain, as of its issue date and as of the Closing Date, any untrue statement of material fact or omit to state and did not omit to state as of such date, a material fact necessary to make the statements therein, in light of the circumstances under which they were made, not misleading, and (B) since the Time of Sale, there has occurred no event required to be set forth in an amendment or supplement to the Registration Statement, the Disclosure Package or the Prospectus which has not been so set forth and there has been no document required to be filed under the Exchange Act that upon such filing would be deemed to be incorporated by reference in to the Disclosure Package and into the Prospectus that has not been so filed.

(k) *Secretary's Certificate.* On the Closing Date, the Company shall have furnished to the Placement Agent a Secretary's Certificate of the Company.

(l) *Company Corporate Documents.* On the Closing Date, the Company shall have delivered to the Placement Agent a certificate evidencing the incorporation and good standing of the Company in the state of Nevada issued by the Secretary of State of the state of Nevada, dated as of a date within three (3) calendar days of the Closing Date, as well as written bring-down confirmation from a reputable corporate service agency, dated as of the Closing Date, as to the good standing of the Company on the Closing Date.

(m) *Subsidiary Corporate Documents.* On the Closing Date, the Company shall have delivered to the Placement Agent a certificate evidencing the incorporation or formation, as the case may be, and good standing of each of the Subsidiaries in their respective state (or country) of incorporation or formation, as the case may be, issued by the Secretary of State of such state of incorporation or formation (or comparable authority), as the case may be, dated as of a date within three (3) calendar days of the Closing Date.

(n) *Foreign Qualifications.* On the Closing Date, the Company shall have delivered to the Placement Agent certificates evidencing (i) the Company's qualification as a foreign corporation in good standing issued by the Secretary of State (or comparable office) of each jurisdiction in which the Company conducts business and is required to so qualify, dated as of a date within three (3) calendar days of the Closing Date, and (ii) each Subsidiary's qualification as a foreign corporation or other entity, as the case may be, in good standing issued by the Secretary of State (or comparable office) of each jurisdiction in which the Subsidiary conducts business and is required to so qualify, dated as of a date within three (3) calendar days of the Closing Date.

(o) *Certified Charter.* On the Closing Date, the Company shall have delivered to the Placement Agent a certified copy of the Articles of Incorporation of the Company as certified by the Secretary of State of the state of Nevada as of a date within three (3) calendar days of the Closing Date.

(p) *Other Filings with the Commission.* The Company shall have prepared and filed with the Commission a Current Report on Form 8-K with respect to the transactions contemplated hereby, including as an exhibit thereto this Agreement and any other documents relating thereto.

(q) *No FINRA Objection.* FINRA shall not have raised any objection with respect to the fairness and reasonableness of the placement agency terms and arrangements relating to the issuance and sale of the Securities; provided that if any such objection is raised, the Company and the Placement Agent shall negotiate promptly and in good faith appropriate modifications to such placement agency terms and arrangements in order to satisfy such objections.

(r) *NASDAQ Capital Market.* The Securities shall have been approved for listing on the NASDAQ Capital Market, subject to official notice of issuance.

(s) *Additional Documents.* Prior to the Closing Date, the Company shall have furnished to the Placement Agent such further information, certificates or documents as the Placement Agent shall have reasonably requested for the purpose of enabling them to pass upon the issuance and sale of the Securities as contemplated herein, or in order to evidence the accuracy of any of the representations and warranties, or the satisfaction of any of the conditions or agreements, herein contained.

All opinions, letters, evidence and certificates mentioned above or elsewhere in this Agreement shall be deemed to be in compliance with the provisions hereof only if they are in form and substance reasonably satisfactory to counsel for the Placement Agent.

If any condition specified in this Section 5 is not satisfied when and as required to be satisfied, this Agreement may be terminated by the Placement Agent by notice to the Company at any time prior to the Closing Date, which termination shall be without liability on the part of any party to any other party, except that Section 4, Section 6 and Section 8 shall at all times be effective and shall survive such termination.

Section 6. Indemnification and Contribution

(a) *Indemnification of the Placement Agent.* The Company agrees to indemnify, defend and hold harmless each of the Placement Agent, its respective directors and officers, and each person, if any, who controls such Placement Agent within the meaning of either Section 15 of the Securities Act or Section 20 of the Exchange Act, and the successors and assigns of all of the foregoing persons, from and against any loss, damage, claim or liability, which, jointly or severally, such Placement Agent or any such person may become subject under the Securities Act, the Exchange Act, or other federal or state statutory law or regulation, the common law or otherwise (including in settlement of any litigation, if such settlement is effected with the written consent of the Company), insofar as such loss, damage, claim or liability (or actions in respect thereof as contemplated below) arises out of or is based upon: (i) any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, or any amendment thereto or the omission or alleged omission to state a material fact required to be stated therein or necessary to make the statements therein not misleading; (ii) any untrue statement or alleged untrue statement of a material fact contained in any Preliminary Prospectus, any Issuer Free Writing Prospectus or the Prospectus (or any amendment or supplement thereto), or the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements made therein, in light of the circumstances under which they were made, not misleading; and, in the case of (i) and (ii) above, to reimburse such Placement Agent and each such controlling person for any and all reasonable expenses (including reasonable fees and disbursements of counsel) as such expenses are incurred by such Placement Agent or such controlling person in connection with investigating, defending, settling, compromising or paying any such loss, claim, damage, liability, expense or action; *provided, however*, that the foregoing indemnity shall not apply to any loss, claim, damage, liability or expense to the extent, but only to the extent, it arises out of or is based upon any untrue statement or alleged untrue statement of a material fact contained in or omitted from, and in conformity with information concerning such Placement Agent furnished in writing by or on behalf of such Placement Agent to the Company expressly for use therein, which information the parties hereto agree is limited to the Placement Agent Information (as defined in Section 7), (iii) any untrue statement or alleged untrue statement made by the Company in Section 3 hereof or the failure by the Company to perform when and as required any agreement or covenant contained herein or (iv) any untrue statement or alleged untrue statement of any material fact contained in any audio or visual materials provided to Investors by or with the approval of the Company or based upon written information furnished by or on behalf of the Company with its approval including, without limitation, slides, videos, films or tape recordings used in any road show or investor presentations made to investors by the Company (whether in person or electronically) or in connection with the marketing of the Securities.

(b) *Indemnification of the Company.* The Placement Agent will indemnify, defend and hold harmless the Company, its directors and officers, and any person, if any, who controls the Company within the meaning of either Section 15 of the Securities Act or Section 20 of the Exchange Act, and the successors and assigns of all of the foregoing persons, from and against any loss, claim, damage, liability or expense, as incurred to which, jointly or severally, the Company or any such person may become subject under the Securities Act, the Exchange Act, or other federal or state statutory law or regulation, the common law or otherwise (including in settlement of any litigation, if such settlement is effected with the written consent of the Placement Agent), insofar as such loss, claim, damage, liability or expense (or actions in respect thereof as contemplated below) arises out of or is based upon: (i) any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, or any amendment thereto, or the omission or alleged omission therefrom to state a material fact required to be stated therein or necessary to make the statements therein not misleading; (ii) any untrue statement or alleged untrue statement of a material fact contained in any Preliminary Prospectus, any Issuer Free Writing Prospectus or the Prospectus (or any amendment or supplement thereto), or the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements made therein, in light of the circumstances under which they were made, not misleading, in the case of each of (i) and (ii) above, to the extent but only to the extent, that such untrue statement or alleged untrue statement or omission or alleged omission was made in the Registration Statement, any Preliminary Prospectus, Issuer Free Writing Prospectus or the Prospectus (or any amendment or supplement thereto) in reliance upon and in conformity with information concerning the Placement Agent furnished in writing by or on behalf of the Placement Agent to the Company expressly for use therein and to reimburse the Company, or any such director, officer or controlling person for any legal and other expense reasonably incurred by the Company, or any such director, officer or controlling person in connection with investigating, defending, settling, compromising or paying any such loss, claim, damage, liability, expense or action; *provided*, that the parties hereto hereby agree that such written information provided by the Placement Agent consists solely of the Placement Agent Information. Notwithstanding the provisions of this Section 6(b), in no event shall any indemnity by the Placement Agent under this Section 6(b) exceed its pro rata share of the Placement Fee.

(c) *Notice and Procedures.* If any action, suit or proceeding (each, a “*Proceeding*”) is brought against a person (an “*indemnified party*”) in respect of which indemnity may be sought against the Company or any Placement Agent (as applicable, the “*indemnifying party*”) pursuant to subsection (a) or (b), respectively, of this Section 6, such indemnified party shall promptly notify such indemnifying party in writing of the institution of such Proceeding and such indemnifying party shall assume the defense of such Proceeding, including the employment of counsel reasonably satisfactory to such indemnified party and payment of all fees and expenses; *provided, however*, that the omission to so notify such indemnifying party shall not relieve such indemnifying party from any liability which such indemnifying party may have to any indemnified party or otherwise, except to the extent the indemnifying party does not otherwise learn of the Proceeding and such failure results in the forfeiture by the indemnifying party of substantial rights or defenses. The indemnified party or parties shall have the right to employ its or their own counsel in any such case, but the fees and expenses of such counsel shall be at the expense of such indemnified party or parties unless (i) the employment of such counsel shall have been authorized in writing by the indemnifying party in connection with the defense of such Proceeding, (ii) the indemnifying party shall not have, within a reasonable period of time in light of the circumstances, employed counsel to defend such Proceeding or (iii) such indemnified party or parties shall have reasonably concluded that there may be defenses available to it or them which are different from, additional to or in conflict with those available to such indemnifying party, in any of which events such reasonable fees and expenses shall be borne by such indemnifying party and paid as incurred (it being understood, however, that such indemnifying party shall not be liable for the expenses of more than one separate counsel (in addition to any local counsel) in any one Proceeding or series of related Proceedings in the same jurisdiction representing the indemnified parties who are parties to such Proceeding). An indemnifying party shall not be liable for any settlement of any Proceeding (including by consent to the entry of any judgment) effected without its written consent but, if settled with its written consent or if there be a final judgment for the plaintiff, such indemnifying party agrees to indemnify and hold harmless the indemnified party or parties from and against any loss or liability by reason of such settlement or judgment. Notwithstanding the foregoing sentence, if at any time an indemnified party shall have requested an indemnifying party to reimburse the indemnified party for fees and expenses of counsel (which fees and expenses shall be reasonably documented) as contemplated by the second sentence of this Section 6(c), then the indemnifying party agrees that it shall be liable for any settlement of any Proceeding effected without its written consent if (i) such settlement is entered into more than 90 days after receipt by such indemnifying party of the aforesaid request, (ii) such indemnifying party shall not have fully reimbursed the indemnified party in accordance with such request prior to the date of such settlement and (iii) such indemnified party shall have given the indemnifying party at least 30 days’ prior notice of its intention to settle. No indemnifying party shall, without the prior written consent of the indemnified party, effect any settlement, compromise or consent to the entry of judgment in any pending or threatened Proceeding in respect of which any indemnified party is or could have been a party and indemnity could have been sought hereunder by such indemnified party, unless such settlement includes an unconditional release of such indemnified party from all liability on claims that are the subject matter of such Proceeding and does not include an admission of fault or culpability or a failure to act by or on behalf of such indemnified party.

(d) *Contribution.* If the indemnification provided for in this Section 6 is unavailable to an indemnified party under subsections (a) or (b) of this Section 6 or insufficient to hold an indemnified party harmless in respect of any losses, claims, damages, liabilities or expenses referred to therein, then each applicable indemnifying party shall, in lieu of indemnifying such indemnified party, contribute to the amount paid or payable by such indemnified party as a result of the losses, claims, damages, liabilities or expenses referred to in subsection (a) or (b) above, (i) in such proportion as is appropriate to reflect the relative benefits received by the Company on the one hand and the Placement Agent on the other from the offering of the Securities or (ii) if the allocation provided by clause (i) above is not permitted by applicable law, in such proportion as is appropriate to reflect not only the relative benefits referred to in clause (i) above but also the relative fault of the indemnifying party or parties on the one hand and the indemnified party or parties on the other hand in connection with the statements or omissions that resulted in such losses, claims, damages, liabilities or expenses, as well as any other relevant equitable considerations. The relative benefits received by the Company on the one hand and the Placement Agent on the other hand shall be deemed to be in the same respective proportions as the total net proceeds from the offering of the Securities (before deducting expenses) received by the Company and the Placement Fee received by the Placement Agent, in each case as set forth on the cover of the Prospectus, bear to the aggregate public offering price of the Securities. The relative fault of the Company on the one hand and the Placement Agent on the other hand shall be determined by reference to, among other things, whether the untrue or alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information supplied by the Company, on the one hand, or by the Placement Agent, on the other hand, and the parties' relevant intent, knowledge, access to information and opportunity to correct or prevent such untrue statement or omission. The Company and the Placement Agent agree that it would not be just and equitable if contribution pursuant to this subsection (d) were to be determined by pro rata allocation or by any other method of allocation which does not take account of the equitable considerations referred to in the first sentence of this Section 6(d). The amount paid or payable by an indemnified party as a result of the losses, claims, damages or liabilities referred to in the first sentence of this Section 6(d) shall be deemed to include any legal or other expenses reasonably incurred by such indemnified party in connection with investigating or defending against any action or claim which is the subject of this Section 6(d). Notwithstanding the provisions of this Section 6(d), the Placement Agent shall not be required to contribute any amount in excess of the Placement Fee less the amount of any damages which such Placement Agent has otherwise paid or become liable to pay by reason of such untrue statement or alleged untrue statement or omission or alleged omission. No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation.

(c) *Representations and Agreements to Survive Delivery.* The obligations of the Company under this Section 6 shall be in addition to any liability which the Company may otherwise have. The indemnity and contribution agreements of the parties contained in this Section 6 and the covenants, warranties and representations of the Company contained in this Agreement shall remain operative and in full force and effect regardless of (i) any termination of this Agreement, (ii) any investigation made by or on behalf of the Placement Agent, any person who controls the Placement Agent within the meaning of either Section 15 of the Securities Act or Section 20 of the Exchange Act or any affiliate of the Placement Agent, or by or on behalf of the Company, its directors or officers or any person who controls the Company within the meaning of either Section 15 of the Securities Act or Section 20 of the Exchange Act, and (iii) the issuance and delivery of the Securities. The Company and the Placement Agent agree promptly to notify each other of the commencement of any Proceeding against it and, in the case of the Company, against any of the Company's officers or directors in connection with the issuance and sale of the Securities, or in connection with the Registration Statement, the Disclosure Package or the Prospectus.

Section 7. Information Furnished by Placement Agent

The Company acknowledges that the statements set forth in the twelfth (12th) paragraph of the Plan of Distribution in the Prospectus (the "*Placement Agent Information*") constitute the only information relating to the Placement Agent furnished in writing to the Company by the Placement Agent as such information is referred to in Sections 2 and 6 hereof.

Section 8. Termination.

(a) The Placement Agent shall have the right to terminate this Agreement by giving notice as hereinafter specified at any time at or prior to the Closing Date, without liability on the part of the Placement Agent to the Company, if (i) prior to delivery and payment for the Securities (A) trading in securities generally shall have been suspended or materially limited on or by the New York Stock Exchange, the NASDAQ Stock Market, the NASDAQ Global Select Market, the NASDAQ Global Market, the NASDAQ Capital Market or the NYSE Amex (each, a "*Trading Market*"), (B) trading in the shares of Common Stock of the Company shall have been suspended or materially limited on any exchange or in the over-the-counter market, (C) a general moratorium on commercial banking activities shall have been declared by federal or New York state authorities, (D) there shall have occurred any outbreak or material escalation of hostilities or acts of terrorism involving the United States or there shall have been a declaration by the United States of a national emergency or war, (E) there shall have occurred any other calamity or crisis or any material change in general economic, political or financial conditions in the United States or elsewhere, if the effect of any such event specified in clause (D) or (E), in the judgment of the Placement Agent, makes it impractical or inadvisable to proceed with the completion of the sale of and payment for the Securities on the Closing Date on the terms and in the manner contemplated by this Agreement, the Disclosure Package and the Prospectus, or (ii) since the time of execution of this Agreement or the earlier respective dates as of which information is given in the Disclosure Package, there has been (A) any Material Adverse Effect or (B) the Company shall have sustained a loss by strike, fire, flood, earthquake, accident or other calamity of such character that in the judgment of the Placement Agent would, individually or in the aggregate, result in a Material Adverse Effect and which would, in the judgment of the Placement Agent, make it impracticable or inadvisable to proceed with the offering or the delivery of the Securities on the terms and in the manner contemplated in the Disclosure Package and the Prospectus. Any such termination shall be without liability of any party to any other party except that the provisions of Section 4, Section 6, Section 8(b) and Section 11 hereof shall at all times be effective notwithstanding such termination.

(b) If (1) this Agreement shall be terminated by the Placement Agent pursuant to Section 5, Section 8(a)(i)(B) or Section 8(a)(ii)(A) or (2) the sale of the Securities to Investors is not consummated because of any failure, refusal or inability on the part of the Company to comply with the terms or perform any agreement or obligation of this Agreement or any Subscription Agreement, other than by reason of a default by the Placement Agent, the Company will, in addition to paying the amounts described in Section 4 hereof, reimburse the Placement Agent for all of their reasonable and actual out-of-pocket disbursements (including, but not limited to, the reasonable fees and disbursements of its counsel).

Section 9. Notices.

All statements, requests, notices and agreements hereunder shall be in writing or by facsimile, and:

(a) if to the Placement Agent, shall be delivered or sent by mail, telex or facsimile transmission to:

William Blair & Company, L.L.C.
222 West Adams
Chicago, Illinois 60606
Attention: Managing Director
Facsimile No.: (312) 368-9418

with a copy (which shall not constitute notice) to:

Lowenstein Sandler PC
65 Livingston Avenue
Roseland, New Jersey 07068
Attention: Steven M. Skolnick
Facsimile No.: (973) 597-2477

(b) if to the Company shall be delivered or sent by mail, telex or facsimile transmission to:

Lightbridge Corporation
1600 Tysons Boulevard, Suite 550
McLean, Virginia 22102
Attention: Chief Executive Officer
Facsimile No.: (202) 318-2502

with a copy (which shall not constitute notice) to:

Pillsbury Winthrop Shaw Pittman LLP
2300 N Street, N.W.
Washington, D.C. 20037
Attention: Louis A. Bevilacqua, Esq.
Facsimile No.: (202) 663-8007

Any such notice shall be effective only upon receipt. Any party to this Agreement may change such address for notices by sending to the parties to this Agreement written notice of a new address for such purpose.

Section 10. Persons Entitled to Benefit of Agreement

This Agreement shall inure to the benefit of and shall be binding upon the Placement Agent, the Company and their respective successors and assigns and the controlling persons, officers and directors referred to in Section 6. Nothing in this Agreement is intended or shall be construed to give to any other person, firm or corporation, other than the persons, firms or corporations mentioned in the preceding sentence, any legal or equitable remedy or claim under or in respect of this Agreement, or any provision herein contained, except pursuant to the terms of the Subscription Agreements. The term "successors and assigns" as herein used shall not include any purchaser of the Securities by reason merely of such purchase.

Section 11. Governing Law.

This Agreement shall be governed by and construed in accordance with the laws of the State of New York, without giving effect to the conflicts of laws provisions thereof.

Section 12. No Fiduciary Relationship.

The Company hereby acknowledges that the Placement Agent is acting solely as placement agent in connection with the offering of the Company's securities. The Company further acknowledges that the Placement Agent are acting pursuant to a contractual relationship created solely by this Agreement entered into on an arm's length basis and in no event do the parties intend that the Placement Agent act or be responsible as a fiduciary to the Company, its management, stockholders, creditors or any other person in connection with any activity that the Placement Agent may undertake or have undertaken in furtherance of the offering of the Company's securities, either before or after the date hereof. The Placement Agent hereby expressly disclaims any fiduciary or similar obligations to the Company, either in connection with the transactions contemplated by this Agreement or any matters leading up to such transactions, and the Company hereby confirms its understanding and agreement to that effect. The Company and the Placement Agent agree that they are each responsible for making their own independent judgments with respect to any such transactions, and that any opinions or views expressed by the Placement Agent to the Company regarding such transactions, including but not limited to any opinions or views with respect to the price or market for the Company's securities, do not constitute advice or recommendations to the Company. The Company hereby waives and releases, to the fullest extent permitted by law, any claims that the Company may have against the Placement Agent with respect to any breach or alleged breach of any fiduciary or similar duty to the Company in connection with the transactions contemplated by this Agreement or any matters leading up to such transactions.

Section 13. Headings.

The Section headings in this Agreement have been inserted as a matter of convenience of reference and are not a part of this Agreement.

Section 14. Amendments and Waivers.

No supplement, modification or waiver of this Agreement shall be binding unless executed in writing by the party to be bound thereby. The failure of a party to exercise any right or remedy shall not be deemed or constitute a waiver of such right or remedy in the future. No waiver of any of the provisions of this Agreement shall be deemed or shall constitute a waiver of any other provision hereof (regardless of whether similar), nor shall any such waiver constitute a continuing waiver unless otherwise expressly provided.

Section 15. Submission to Jurisdiction.

Except as set forth below, no Proceeding may be commenced, prosecuted or continued in any court other than the courts of the State of New York located in the City and County of New York or in the United States District Court for the Southern District of New York, which courts shall have jurisdiction over the adjudication of such matters, and the Company hereby consents to the jurisdiction of such courts and personal service with respect thereto. The Company hereby consents to personal jurisdiction, service and venue in any court in which any Proceeding arising out of or in any way relating to this Agreement is brought by any third party against the Placement Agent. The Company and the Placement Agent hereby waive all right to trial by jury in any Proceeding (whether based upon contract, tort or otherwise) in any way arising out of or relating to this Agreement. The Company and the Placement Agent agree that a final judgment in any such Proceeding brought in any such court shall be conclusive and binding upon such party and may be enforced in any other courts in the jurisdiction of which such party is or may be subject, by suit upon such judgment.

Section 16. Counterparts.

This Agreement may be executed in one or more counterparts and, if executed in more than one counterpart, the executed counterparts shall each be deemed to be an original and all such counterparts shall together constitute one and the same instrument. Delivery of an executed counterpart by facsimile shall be effective as delivery of a manually executed counterpart thereof.

If the foregoing is in accordance with your understanding of the agreement between the Company and the Placement Agent, kindly indicate your acceptance in the space provided for that purpose below.

Very truly yours,

LIGHTBRIDGE CORPORATION

By: /s/ Seth Grae

Name: Seth Grae

Title: Chief Executive Officer

Accepted as of
the date first above written:

WILLIAM BLAIR & COMPANY, L.L.C.

By:

Name: _____

Title:

[Signature Page to Placement Agency Agreement]

Schedules and Exhibits

Schedule I:	Issuer General Free Writing Prospectuses
Schedule II:	Significant Subsidiaries
Schedule III:	Directors and Officers Executing Lock-Up Agreements
Exhibit A:	Form of Subscription Agreement
Exhibit B:	Pricing Information
Exhibit C:	Form of Escrow Agreement
Exhibit D:	Disclosure Materials
Exhibit E:	Form of Lock-up Agreement
Exhibit F:	Form of Legal Opinion of Pillsbury Winthrop Shaw Pittman LLP
Exhibit G:	Form of Legal Opinion of Gary R. Henrie, Esq.

Schedule I

Issuer General Free Writing Prospectuses

Schedule II
Significant Subsidiaries

None.

Schedule III

Directors and Officers Executing Lock-Up Agreements

**Seth Grae
Thomas Graham, Jr.
Andrey Mushakov
James Guerra
Dan Magraw
Victor Alessi
Jack Ladd**

Exhibit A

Form of Subscription Agreement

Exhibit B

Pricing Information

Number of Shares to be Sold: 2,069,992

Number of Warrants to be Sold: 1,034,996

Offering Price: \$6.60 per Unit

Exercise Price of Warrants: \$9.00

Placement Agency Fees: \$819,716.83

Exhibit C

Form of Escrow Agreement

Exhibit D

Disclosure Materials

Exhibit E

Form of Lock-Up Agreement

July [], 2010

William Blair & Company, L.L.C.
222 West Adams
Chicago, Illinois 60606

Ladies and Gentlemen:

The undersigned understands that you, as Placement Agent, propose to enter into the Placement Agency Agreement (the "*Placement Agency Agreement*") with Lightbridge Corporation, a Nevada corporation (the "*Company*"), providing for the offering (the "*Offering*") of (i) shares (the "*Shares*") of the Common Stock, par value \$0.001 per share (the "*Common Stock*"), of the Company and (ii) warrants to purchase shares of Common Stock (the "*Warrants*"). Capitalized terms used herein and not otherwise defined shall have the meanings set forth in the Placement Agency Agreement.

In consideration of the foregoing, and in order to induce you to participate in the Offering, and for other good and valuable consideration receipt of which is hereby acknowledged, the undersigned hereby agrees that, without the prior written consent of the Placement Agent (which consent may be withheld in its sole discretion), the undersigned will not, during the period (the "*Lock-Up Period*") beginning on the date hereof and ending on the date sixty (60) days after the date of the final prospectus (including the final prospectus supplement) to be used in confirming the sale of the Shares and Warrants (the "*Final Prospectus*"), (1) offer, pledge, announce the intention to sell, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, or otherwise transfer or dispose of, directly or indirectly, or file (or participate in the filing of) a registration statement with the Securities and Exchange Commission in respect of, any shares of Common Stock or any securities convertible into or exercisable or exchangeable for shares of Common Stock (including without limitation, shares of Common Stock which may be deemed to be beneficially owned by the undersigned in accordance with the rules and regulations of the Securities and Exchange Commission and securities which may be issued upon exercise of a stock option or warrant), (2) enter into any swap or other agreement that transfers, in whole or in part, any of the economic consequences of ownership of the shares of the Common Stock, whether any such transaction described in clause (1) or (2) above is to be settled by delivery of shares of Common Stock or such other securities, in cash or otherwise, (3) make any demand for or exercise any right with respect to, the registration of any shares of Common Stock or any security convertible into or exercisable or exchangeable for shares of Common Stock, or (4) publicly announce an intention to effect any transaction specific in clause (1), (2) or (3) above.

Notwithstanding the foregoing, the restrictions set forth in clauses (1) and (2) above shall not apply to (a) transfers (i) as a bona fide gift or gifts, provided that the donee or donees thereof agree to be bound in writing by the restrictions set forth herein, (ii) to any trust for the direct or indirect benefit of the undersigned or the immediate family of the undersigned, provided that the trustee of the trust agrees to be bound in writing by the restrictions set forth herein, and provided further that any such transfer shall not involve a disposition for value, (iii) pursuant to the laws of descent, (iv) with your prior written consent or (v) effected pursuant to any exchange of "underwater" options with the Company, (b) the acquisition or exercise of any stock option issued pursuant to the Company's existing stock option plan, including any exercise effected by the delivery of shares of Common Stock of the Company held by the undersigned, or (c) the purchase or sale of the Company's securities pursuant to a plan, contract or instruction that satisfies all of the requirements of Rule 10b5-1(c)(1)(i)(B) that was in effect prior to the date hereof. For purposes of this Lock-Up Agreement, "immediate family" shall mean any relationship by blood, marriage or adoption, not more remote than first cousin. None of the restrictions set forth in this Lock-Up Agreement shall apply to shares of Common Stock acquired in open market transactions.

For the purpose of allowing you to comply with FINRA Rule 2711(f)(4), if (1) during the last 17 days of the Lock-Up Period, the Company releases earnings results or publicly announces other material news or a material event relating to the Company occurs or (2) prior to the expiration of the Lock-Up Period, the Company announces that it will release earnings results during the 16 day period beginning on the last day of the Lock-Up Period, then in each case the Lock-Up Period will be extended until the expiration of the 18 day period beginning on the date of release of the earnings results or the public announcement regarding the material news or the occurrence of the material event, as applicable, unless the Placement Agent waives, in writing, such extension. The Placement Agent agrees to waive such extension if the provisions of FINRA Rule 2711(f)(4) are not applicable to the Offering. The Company agrees not to accelerate the vesting of any option or warrant or the lapse of any repurchase right prior to the expiration of the Lock-Up Period. In furtherance of the foregoing, the Company, and any duly appointed transfer agent or depository for the registration or transfer of the securities described herein, are hereby authorized to decline to make any transfer of securities if such transfer would constitute a violation or breach of this Lock-Up Agreement.

The foregoing restrictions are expressly agreed to preclude the undersigned from engaging in any hedging or other transaction which is designed to or reasonably expected to lead to or result in a sale or disposition of shares of Common Stock even if such securities would be disposed of by someone other than the undersigned. Such prohibited hedging or other transactions would include without limitation any short sale or any purchase, sale or grant of any right (including without limitation any put option or put equivalent position or call option or call equivalent position) with respect to any of the shares of Common Stock or with respect to any security that includes, relates to, or derives any significant part of its value from such shares.

The undersigned hereby represents and warrants that the undersigned has full power and authority to enter into this Lock-Up Agreement. All authority herein conferred or agreed to be conferred and any obligations of the undersigned shall be binding upon the successors, assigns, heirs or personal representatives of the undersigned.

The undersigned also agrees and consents to the entry of stop transfer instructions with the Company's transfer agent and registrar or depository against the transfer of the undersigned's shares of Common Stock except in compliance with the foregoing restrictions.

The undersigned understands that, if the Placement Agency Agreement does not become effective, or if the Placement Agency Agreement (other than the provisions thereof which survive termination) shall terminate or be terminated prior to payment for and delivery of the Shares and Warrants to be sold thereunder, the undersigned shall be released from all obligations under this Lock-Up Agreement.

This Lock-Up Agreement shall be governed by and construed in accordance with the laws of the State of New York, without regard to the conflict of laws principles thereof.

Very truly yours,

Name:

Exhibit F

Form of Legal Opinion of Pillsbury Winthrop Shaw Pittman LLP

Exhibit G

Form of Legal Opinion of Gary R. Henrie, Esq.

Form of Warrant

THE ISSUANCE OF THIS WARRANT AND THE WARRANT SHARES ISSUABLE UPON EXERCISE OF THIS WARRANT HAVE BEEN REGISTERED BY THE COMPANY WITH THE SECURITIES AND EXCHANGE COMMISSION PURSUANT TO A REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933, AS AMENDED (REGISTRATION NO. 333-162671).

LIGHTBRIDGE CORPORATION

Warrant To Purchase Common Shares

Warrant No.: _____
Number of Common Shares: _____
Date of Issuance: July 28, 2010 ("Issuance Date")

Lightbridge Corporation, a Nevada corporation (the "**Company**"), hereby certifies that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, [INVESTOR NAME], the registered holder hereof or its permitted assigns (the "**Holder**"), is entitled, subject to the terms set forth below, to purchase from the Company, at the Exercise Price (as defined below) then in effect, upon surrender of this Warrant to Purchase Common Shares (including any Warrants to Purchase Common Shares issued in exchange, transfer or replacement hereof, the "**Warrant**"), at any time or times on or after the six (6) month anniversary of the Issuance Date, but not after 5:00 p.m., New York time, on the Expiration Date (as defined below), [____ (____)] (subject to adjustment as provided herein) fully paid, nonassessable Common Shares (as defined below) (the "**Warrant Shares**"). Except as otherwise defined herein, capitalized terms in this Warrant shall have the meanings set forth in Section 16. This Warrant is the Warrant to Purchase Common Shares issued pursuant to (i) Section 1 of that certain Subscription Agreement dated as of July 22, 2010 (the "**Subscription Date**"), by and between the Company and the Holder (the "**Subscription Agreement**" and together with the other subscription agreements entered into by the Company on the Subscription Date, the "**Subscription Agreements**") and (ii) the Company's Registration Statement on Form S-3 (File number 333-162671) (as amended and supplemented through November 19, 2009, the "**Registration Statement**").

1. EXERCISE OF WARRANT.

(a) **Mechanics of Exercise.** Subject to the terms and conditions hereof, this Warrant may be exercised by the Holder on any day on or after the Issuance Date, in whole or in part, by delivery of a written notice, in the form attached hereto as Exhibit A (the "**Exercise Notice**"), of the Holder's election to exercise this Warrant. Within two (2) days following the Exercise Notice, the Holder shall make payment to the Company of an amount equal to the applicable Exercise Price multiplied by the number of Warrant Shares as to which this Warrant is being exercised (the "**Aggregate Exercise Price**") in cash or by wire transfer of immediately available funds, or provided the conditions for cashless exercise set forth in Section 1(e) are satisfied, by notifying the Company that this Warrant is being exercised pursuant to a Cashless Exercise (as defined in Section 1(e)). Execution and delivery of the Exercise Notice with respect to less than all of the Warrant Shares shall have the same effect as cancellation of the original Warrant and issuance of a new Warrant evidencing the right to purchase the remaining number of Warrant Shares. On or before the first (1st) Business Day following the date on which the Company has received the Exercise Notice, the Company shall transmit by facsimile an acknowledgment of confirmation of receipt of the Exercise Notice to the Holder and the Company's transfer agent (the "**Transfer Agent**"). On or before the third (3rd) Business Day following the date on which the Company has received the Exercise Notice (the "**Share Delivery Date**"), the Company shall (X) provided that the Transfer Agent is participating in The Depository Trust Company ("**DTC**") Fast Automated Securities Transfer Program (the "**FAST Program**"), upon the request of the Holder, credit such aggregate number of Common Shares to which the Holder is entitled pursuant to such exercise to the Holder's or its designee's balance account with DTC through its Deposit Withdrawal Agent Commission system, or (Y), if the Transfer Agent is not participating in the FAST Program, issue and dispatch by overnight courier to the address as specified in the Exercise Notice, a certificate, registered in the Company's share register in the name of the Holder or its designee, for the number of Common Shares to which the Holder is entitled pursuant to such exercise. The Warrant Shares so purchased shall be deemed to be issued to the Holder or the Holder's designee, as the record owner of such Warrant Shares, as of the close of business on the date of exercise. If this Warrant is submitted in connection with any exercise pursuant to this Section 1(a) and the number of Warrant Shares represented by this Warrant submitted for exercise is greater than the number of Warrant Shares being acquired upon an exercise, then the Company shall as soon as practicable and in no event later than three (3) Business Days after any exercise and at its own expense, issue a new Warrant (in accordance with Section 7(d)) representing the right to purchase the number of Warrant Shares purchasable immediately prior to such exercise under this Warrant, less the number of Warrant Shares with respect to which this Warrant is exercised. No fractional Common Shares are to be issued upon the exercise of this Warrant, but rather the Company shall pay to Holder cash equal to the product of such fraction multiplied by the Closing Sale Price of one Warrant Share on the Share Delivery Date. The Company shall pay any and all transfer taxes and transfer agent fees which may be payable with respect to the issuance and delivery of Warrant Shares to the Holder upon exercise of this Warrant.

(b) Exercise Price. For purposes of this Warrant, “**Exercise Price**” means \$[·] per Warrant Share, subject to adjustment as provided herein.

(c) Disputes. In the case of a dispute as to the determination of the Exercise Price or the arithmetic calculation of the Warrant Shares, the Company shall promptly issue to the Holder the number of Warrant Shares that are not disputed.

[(d) Limitations On Exercise. The Company shall not effect the exercise of this Warrant, and the Holder shall not have the right to exercise this Warrant, to the extent that after giving effect to such exercise, such Person (together with such Person’s affiliates) would beneficially own in excess of 4.99% (the “**Maximum Percentage**”) of the Common Shares outstanding immediately after giving effect to such exercise. For purposes of the foregoing sentence, the aggregate number of Common Shares beneficially owned by such Person and its affiliates shall include the number of Common Shares issuable upon exercise of this Warrant with respect to which the determination of such sentence is being made, but shall exclude Common Shares which would be issuable upon (i) exercise of the remaining, unexercised portion of this Warrant beneficially owned by such Person and its affiliates and (ii) exercise or conversion of the unexercised or unconverted portion of any other securities of the Company beneficially owned by such Person and its affiliates (including, without limitation, any convertible notes or convertible shares or warrants) subject to a limitation on conversion or exercise analogous to the limitation contained herein. Except as set forth in the preceding sentence, for purposes of this paragraph, beneficial ownership shall be calculated in accordance with Section 13(d) of the Securities Exchange Act of 1934, as amended (the “**Exchange Act**”). For purposes of this Warrant, in determining the number of outstanding Common Shares, the Holder may rely on the number of outstanding Common Shares as reflected in the most recent of (1) the Company’s most recent Form 10-K, Form 10-Q or other public filing with the Securities and Exchange Commission, as the case may be, (2) a more recent public announcement by the Company or (3) any other notice by the Company or the Transfer Agent setting forth the number of Common Shares outstanding. For any reason at any time, upon the written or oral request of the Holder, the Company shall within two (2) Business Days confirm to the Holder the number of Common Shares then outstanding. In any case, the number of outstanding Common Shares shall be determined after giving effect to the conversion or exercise of securities of the Company, including this Warrant, by the Holder and its affiliates since the date as of which such number of outstanding Common Shares was reported. By written notice to the Company, the Holder may from time to time increase or decrease the Maximum Percentage to any other percentage not in excess of 9.99% specified in such notice; provided that (i) any such increase will not be effective until the sixty-first (61st) day after such notice is delivered to the Company, and (ii) any such increase or decrease will apply only to the Holder. The provisions of this paragraph shall be construed, corrected and implemented in a manner so as to effectuate the intended beneficial ownership limitation herein contained. The limitations contained in this paragraph shall apply to any successor Holder of this Warrant.] [Note: Certain Warrants issued by the Company pursuant to the Subscription Agreements will not contain this provision.]

(e) Limited Cashless Exercise. If the Registration Statement (or any subsequent registration statement applicable to the Warrant Shares) permitting the registered issuance of the Warrant Shares is not then effective or the prospectus forming a part thereof is not then available, then the Holder shall be entitled to utilize cashless exercise, in which event the Company shall issue to the Holder the number of Warrant Shares determined as follows (a “**Cashless Exercise**”):

$$X = Y [(A-B)/A]$$

where:

X = the number of Warrant Shares to be issued to the Holder.

Y = the number of Warrant Shares with respect to which this Warrant is being exercised.

A = the VWAP for the five (5) Trading Days immediately prior to (but not including) the date of delivery of the Exercise Notice.

B = the Exercise Price.

Upon receipt of an Exercise Notice to which this Section 1(e) is applicable, the Company shall notify the Holder within one (1) Trading Day of such applicability and the calculation of the Warrant Shares issuable upon the noticed exercise of the Warrant utilizing cashless exercise, and confirm the Holder’s desire to complete the exercise of the Warrant pursuant to this Section 1(e).

For purposes of Rule 144 promulgated under the Securities Act of 1933, as amended, it is intended, understood and acknowledged that the Warrant Shares issued in a cashless exercise transaction shall be deemed to have been acquired by the Holder, and the holding period for the Warrant Shares shall be deemed to have commenced, on the date this Warrant was originally issued.

(f) Company’s Failure to Timely Deliver Securities. If the Company shall fail for any reason or for no reason to issue to the Holder within three (3) Business Days after the Share Delivery Date in compliance with the terms of this Section 1, a certificate for the number of Common Shares to which the Holder is entitled and register such Common Shares on the Company’s share register or to credit the Holder’s balance account with DTC for such number of Common Shares to which the Holder is entitled upon the Holder’s exercise of this Warrant, and if on or after such Trading Day the Holder, or any third party on behalf of the Holder or for the Holder’s account, purchases (in an open market transaction or otherwise) Common Shares to deliver in satisfaction of a sale by the Holder of Common Shares issuable upon such exercise that the Holder anticipated receiving from the Company (a “**Buy-In**”), then the Company shall, within three (3) Business Days after the Holder’s request and in the Holder’s discretion, either (i) pay cash to the Holder in an amount equal to the Holder’s total purchase price (including brokerage commissions, if any) for the Common Shares so purchased (the “**Buy-In Price**”), at which point the Company’s obligation to deliver such certificate (and to issue such Warrant Shares) shall terminate, or (ii) promptly honor its obligation to deliver to the Holder a certificate or certificates representing such Warrant Shares and pay cash to the Holder in an amount equal to the excess (if any) of the Buy-In Price over the product of (A) such number of Common Shares, times (B) the Closing Sale Price on the Share Delivery Date.

2. ADJUSTMENT OF EXERCISE PRICE AND NUMBER OF WARRANT SHARES. The Exercise Price and the number of Warrant Shares shall be adjusted from time to time as follows:

(a) Adjustment upon Subdivision or Combination of Common Shares. If the Company at any time on or after the Subscription Date subdivides (by any share split, share dividend, recapitalization or otherwise) one or more classes of its outstanding Common Shares into a greater number of shares, the Exercise Price in effect immediately prior to such subdivision will be proportionately reduced and the number of Warrant Shares will be proportionately increased. If the Company at any time on or after the Subscription Date combines (by any reverse share split, recapitalization or otherwise) one or more classes of its outstanding Common Shares into a smaller number of shares, the Exercise Price in effect immediately prior to such combination will be proportionately increased and the number of Warrant Shares will be proportionately decreased. Any adjustment under this Section 2(a) shall become effective at the close of business on the date the subdivision or combination becomes effective.

(b) Other Events. If any event occurs of the type contemplated by the provisions of this Section 2 but not expressly provided for by such provisions (including, without limitation, the granting of share appreciation rights or phantom share rights to all shareholders), then the Company's Board of Directors will make an appropriate adjustment in the Exercise Price and the number of Warrant Shares so as to protect the rights of the Holder; provided that no such adjustment pursuant to this Section 2(b) will increase the Exercise Price or decrease the number of Warrant Shares as otherwise determined pursuant to this Section 2.

(c) Calculations. All calculations made under this Section 2 shall be made by rounding to the nearest cent or the nearest 1/100th of a Common Share, as applicable.

3. RIGHTS UPON DISTRIBUTION OF ASSETS.

(a) If at any time or from time to time the holders of Common Shares of the Company (or any other securities at the time receivable upon the exercise of this Warrant) shall have received or become entitled to receive, without payment therefor:

(i) Common Shares or other securities which are at any time directly or indirectly convertible into or exchangeable for Common Shares, or any rights or options to subscribe for, purchase or otherwise acquire any of the foregoing by way of dividend or other distribution (other than an issuance due to a subdivision covered in Section 2(a) above);

(ii) any cash paid or payable, including any declared and paid cash dividends; or

(iii) Common Shares or additional shares or other securities or property (including cash) by way of spinoff, split-up, reclassification, combination of shares or similar corporate rearrangement (other than Common Shares pursuant to Section 2(a) above),

then and in each such case, the Exercise Price in effect immediately prior to such distribution will be reduced by the value of the distribution per Common Share. The number of Warrant Shares shall be increased to a number of shares equal to the number of Common Shares obtainable upon exercise in full of this Warrant immediately prior to the close of business on the record date fixed for the determination (without regard to any restrictions or limitations on exercise of this Warrant) of holders of Common Shares entitled to receive the distribution multiplied by a fraction equal to the Exercise Price in effect immediately prior to the Exercise Price adjustment set forth in the immediately preceding sentence over the Exercise Price in effect immediately following such adjustment. The value of a distribution shall be determined as follows: (i) in the case of a cash distribution, the dollar amount of cash distributed per Common Share; (ii) in the case of a distribution (other than cash) the value of which can be determined using the Black and Scholes Option Pricing Model (including, without limitation, options, warrants and similar securities), the Black and Scholes Value of such distribution per Common Share; and (iii) in the case of a distribution (other than cash) that cannot be determined using the Black and Scholes Option Pricing Model, the value of such distribution per Common Share determined by a valuation agent reasonably acceptable to the Company and the Holder.

(b) Upon the occurrence of each adjustment pursuant to this Section 3, the Company at its expense will, at the written request of the Holder, promptly compute such adjustment in accordance with the terms of this Warrant and prepare a certificate setting forth such adjustment, including a statement of the adjusted Exercise Price and number or type of Warrant Shares describing the transactions giving rise to such adjustments and showing in detail the facts upon which such adjustment is based, including the expiration date of any applicable options, warrants or rights. Upon written request, the Company will promptly deliver a copy of each such certificate to the Holder and to the Transfer Agent. All calculations made under this Section 3 shall be made by rounding to the nearest cent or the nearest 1/100th of any security, as applicable.

4. **FUNDAMENTAL TRANSACTIONS.** If, at any time while this Warrant is outstanding, (i) the Company, directly or indirectly, in one or more related transactions effects any merger or consolidation of the Company with or into another Person, (ii) the Company, directly or indirectly, effects any sale, lease, license, assignment, transfer, conveyance or other disposition of all or substantially all of its assets in one or a series of related transactions, (iii) any, direct or indirect, purchase offer, tender offer or exchange offer (whether by the Company or another Person) is completed pursuant to which holders of Common Stock are permitted to sell, tender or exchange their shares for other securities, cash or property and has been accepted by the holders of 50% or more of the outstanding Common Stock, (iv) the Company, directly or indirectly, in one or more related transactions effects any reclassification, reorganization or recapitalization of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property, (v) the Company, directly or indirectly, in one or more related transactions consummates a stock or share purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off or scheme of arrangement) with another Person whereby such other Person acquires more than 50% of the outstanding shares of Common Stock (not including any shares of Common Stock held by the other Person or other Persons making or party to, or associated or affiliated with the other Persons making or party to, such stock or share purchase agreement or other business combination) (each a “**Fundamental Transaction**”), then, upon any subsequent exercise of this Warrant, the Holder shall have the right to receive, for each Warrant Share that would have been issuable upon such exercise immediately prior to the occurrence of such Fundamental Transaction, at the option of the Holder (without regard to any limitation in Section 1(d) on the exercise of this Warrant), the number of shares of Common Stock of the successor or acquiring corporation or of the Company, if it is the surviving corporation, and any additional consideration (the “**Alternate Consideration**”) receivable as a result of such Fundamental Transaction by a holder of the number of shares of Common Stock for which this Warrant is exercisable immediately prior to such Fundamental Transaction (without regard to any limitation in Section 1(d) on the exercise of this Warrant). For purposes of any such exercise, the determination of the Exercise Price shall be appropriately adjusted to apply to such Alternate Consideration based on the amount of Alternate Consideration issuable in respect of one share of Common Stock in such Fundamental Transaction, and the Company shall apportion the Exercise Price among the Alternate Consideration in a reasonable manner reflecting the relative value of any different components of the Alternate Consideration. If holders of Common Stock are given any choice as to the securities, cash or property to be received in a Fundamental Transaction, then the Holder shall be given the same choice as to the Alternate Consideration it receives upon any exercise of this Warrant following such Fundamental Transaction. Notwithstanding anything to the contrary, in the event of a Fundamental Transaction other than one in which a Successor Entity (as defined below) that is a publicly traded corporation whose stock is quoted or listed for trading on an Eligible Market assumes this Warrant such that the Warrant shall be exercisable for the publicly traded Common Stock of such Successor Entity, the Company or any Successor Entity shall, at the Holder's option, exercisable at any time concurrently with, or within 30 days after, the consummation of the Fundamental Transaction, purchase this Warrant from the Holder by paying to the Holder an amount of cash equal to the Black Scholes Value of the remaining unexercised portion of this Warrant on the date of the consummation of such Fundamental Transaction. As used herein (w) “**Black Scholes Value**” means the value of this Warrant based on the Black and Scholes Option Pricing Model obtained from the “OV” function on Bloomberg, L.P. (“**Bloomberg**”) determined as of the day of consummation of the applicable Fundamental Transaction for pricing purposes and reflecting (A) a risk-free interest rate corresponding to the U.S. Treasury rate for a period equal to the time between the date of the public announcement of the applicable Fundamental Transaction and the Expiration Date, (B) an expected volatility equal to the greater of 100% and the 100 day volatility obtained from the HVT function on Bloomberg as of the Trading Day immediately following the public announcement of the applicable Fundamental Transaction, (C) the underlying price per share used in such calculation shall be the sum of the price per share being offered in cash, if any, plus the value of any non-cash consideration, if any, being offered in such Fundamental Transaction and (D) a remaining option time equal to the time between the date of the public announcement of the applicable Fundamental Transaction and the Expiration Date, (x) “**Successor Entity**” means the Person (as defined in the Purchase Agreement) (or, if so elected by the Holder, the Parent Entity (as defined below)) formed by, resulting from or surviving any Fundamental Transaction or the Person (or, if so elected by the Holder, the Parent Entity) with which such Fundamental Transaction shall have been entered into, (y) “**Eligible Market**” means the NYSE Amex, The NASDAQ Capital Market, The NASDAQ Global Market, The NASDAQ Global Select Market, the New York Stock Exchange or the OTC Bulletin Board (or any successors to any of the foregoing) and (z) “**Parent Entity**” of a Person means an entity that, directly or indirectly, controls the applicable Person and whose common stock or equivalent equity security is quoted or listed on an Eligible Market, or, if there is more than one such Person or Parent Entity, the Person or Parent Entity with the largest public market capitalization as of the date of consummation of the Fundamental Transaction. The terms of any agreement pursuant to which a Fundamental Transaction is effected shall include terms requiring any such successor or surviving entity to comply with the provisions of this Section 4 and insuring that this Warrant (or any such replacement security) will be similarly adjusted upon any subsequent transaction analogous to a Fundamental Transaction.

5. NONCIRCUMVENTION. The Company hereby covenants and agrees that the Company will not, by amendment of its Certificate of Incorporation or through any reorganization, transfer of assets, consolidation, merger, scheme of arrangement, dissolution, issue or sale of securities, or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, and will at all times in good faith comply with all the provisions of this Warrant and take all actions consistent with effectuating the purposes of this Warrant. Without limiting the generality of the foregoing, the Company (i) shall not increase the par value of any Common Shares receivable upon the exercise of this Warrant above the Exercise Price then in effect, (ii) shall take all such actions as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and nonassessable Common Shares upon the exercise of this Warrant, and (iii) shall, so long as this Warrant is outstanding, take all action necessary to reserve and keep available out of its authorized and unissued Common Shares, solely for the purpose of effecting the exercise of this Warrant, 100% of the number of Common Shares issuable upon exercise of the Warrants then outstanding (without regard to any limitations on exercise).

6. WARRANT HOLDER NOT DEEMED A SHAREHOLDER. Except as otherwise specifically provided herein, the Holder, solely in such Person's capacity as a holder of this Warrant, shall not be entitled to vote or receive dividends or be deemed the holder of share capital of the Company for any purpose, nor shall anything contained in this Warrant be construed to confer upon the Holder, solely in such Person's capacity as the Holder of this Warrant, any of the rights of a shareholder of the Company or any right to vote, give or withhold consent to any corporate action (whether any reorganization, issue of shares, reclassification of shares, consolidation, merger, conveyance or otherwise), receive notice of meetings, receive dividends or subscription rights, or otherwise, prior to the issuance to the Holder of the Warrant Shares which such Person is then entitled to receive upon the due exercise of this Warrant. In addition, nothing contained in this Warrant shall be construed as imposing any liabilities on the Holder to purchase any securities (upon exercise of this Warrant or otherwise) or as a shareholder of the Company, whether such liabilities are asserted by the Company or by creditors of the Company. Notwithstanding this Section 6, the Company shall provide the Holder with copies of the same notices and other information given to the shareholders of the Company generally, contemporaneously with the giving thereof to the shareholders, provided that any such notice or information published via international wire or furnished to or filed with the U.S. Securities and Exchange Commission shall satisfy this requirement.

7. REISSUANCE OF WARRANTS; NO FRACTIONAL SHARES.

(a) Transfer of Warrant. If this Warrant is to be transferred, the Holder shall surrender this Warrant to the Company and deliver the completed and executed Assignment Form, in the form attached hereto as Exhibit B, whereupon the Company will forthwith issue and deliver upon the order of the Holder a new Warrant (in accordance with Section 7(d)), registered as the Holder may request, representing the right to purchase the number of Warrant Shares being transferred by the Holder and, if less than the total number of Warrant Shares then underlying this Warrant is being transferred, a new Warrant (in accordance with Section 7(d)) to the Holder representing the right to purchase the number of Warrant Shares not being transferred.

(b) Lost, Stolen or Mutilated Warrant. Upon receipt by the Company of evidence reasonably satisfactory to the Company of the loss, theft, destruction or mutilation of this Warrant, and, in the case of loss, theft or destruction, of any indemnification undertaking by the Holder to the Company in customary form and, in the case of mutilation, upon surrender and cancellation of this Warrant, the Company shall execute and deliver to the Holder a new Warrant (in accordance with Section 7(d)) representing the right to purchase the Warrant Shares then underlying this Warrant.

(c) Exchangeable for Multiple Warrants. This Warrant is exchangeable, upon the surrender hereof by the Holder at the principal office of the Company, for a new Warrant or Warrants (in accordance with Section 7(d)) representing in the aggregate the right to purchase the number of Warrant Shares then underlying this Warrant, and each such new Warrant will represent the right to purchase such portion of such Warrant Shares as is designated by the Holder at the time of such surrender; *provided, however*, that no Warrants for fractional Common Shares shall be given.

(d) Issuance of New Warrants. Whenever the Company is required to issue a new Warrant pursuant to the terms of this Warrant, such new Warrant (i) shall be of like tenor with this Warrant, (ii) shall represent, as indicated on the face of such new Warrant, the right to purchase the Warrant Shares then underlying this Warrant (or in the case of a new Warrant being issued pursuant to Section 7(a) or Section 7(c), the Warrant Shares designated by the Holder which, when added to the number of Common Shares underlying the other new Warrants issued in connection with such issuance, does not exceed the number of Warrant Shares then underlying this Warrant), (iii) shall have an issuance date, as indicated on the face of such new Warrant which is the same as the Issuance Date, and (iv) shall have the same rights and conditions as this Warrant.

(e) No Fractional Shares. No fractional shares of Warrant Shares will be issued in connection with any exercise of this Warrant. In lieu of any fractional shares which would, otherwise be issuable, the Company shall pay to Holder cash equal to the product of such fraction multiplied by the Closing Sale Price of one Warrant Share on the Share Delivery Date.

8. NOTICES. All notices required or permitted hereunder shall be in writing and shall be deemed effectively given: (a) upon personal delivery to the party to be notified, (b) when sent by confirmed telex or facsimile if sent during normal business hours of the recipient, if not, then on the next Business Day, (c) three (3) days after having been sent by registered or certified mail, return receipt requested, postage prepaid, or (d) one (1) Business Day after deposit with a nationally recognized overnight courier, with written verification of receipt. All communications shall be sent to the Company at the address listed on the signature page hereto and to Holder at the applicable address set forth on the applicable signature page to the Subscription Agreement or at such other address as the Company or Holder may designate by ten (10) days advance written notice to the other parties hereto.

9. AMENDMENT AND WAIVER. Except as otherwise provided herein, the provisions of this Warrant may be amended and the Company may take any action herein prohibited, or omit to perform any act herein required to be performed by it, only if the Company has obtained the written consent of Holders owning seventy-five percent (75%) in interest of the outstanding Warrants issued under the Subscription Agreements; provided, that (x) any such amendment or waiver must apply to all Warrants issued by the Company pursuant to the Subscription Agreements; and (y) the number of Warrant Shares subject to this Warrant, the Exercise Price and the Expiration Date may not be amended, and the right to exercise this Warrant may not be altered or waived, without the written consent of the Holder. No waiver of any provision hereunder shall be effective unless it is in writing and signed by an authorized representative of the waiving party.

10. SEVERABILITY. If any provision of this Warrant is prohibited by law or otherwise determined to be invalid or unenforceable by a court of competent jurisdiction, the provision that would otherwise be prohibited, invalid or unenforceable shall be deemed amended to apply to the broadest extent that it would be valid and enforceable, and the invalidity or unenforceability of such provision shall not affect the validity of the remaining provisions of this Warrant so long as this Warrant as so modified continues to express, without material change, the original intentions of the parties as to the subject matter hereof and the prohibited nature, invalidity or unenforceability of the provision(s) in question does not substantially impair the respective expectations or reciprocal obligations of the parties or the practical realization of the benefits that would otherwise be conferred upon the parties. The parties will endeavor in good faith negotiations to replace the prohibited, invalid or unenforceable provision(s) with a valid provision(s), the effect of which comes as close as possible to that of the prohibited, invalid or unenforceable provision(s).

11. GOVERNING LAW. This Warrant shall be governed by and construed and enforced in accordance with, and all questions concerning the construction, validity, interpretation and performance of this Warrant shall be governed by, the internal laws of the State of New York, without giving effect to any choice of law or conflict of law provision or rule (whether of the State of New York or any other jurisdictions) that would cause the application of the laws of any jurisdictions other than the State of New York.

12. CONSTRUCTION; HEADINGS. This Warrant shall be deemed to be jointly drafted by the Company and the Holder and shall not be construed against any person as the drafter hereof. The headings of this Warrant are for convenience of reference and shall not form part of, or affect the interpretation of, this Warrant.

13. DISPUTE RESOLUTION. In the case of a dispute as to the determination of the Exercise Price or the arithmetic calculation of the Warrant Shares, the Company shall submit the disputed determinations or arithmetic calculations via facsimile within two (2) Business Days of receipt of the Exercise Notice giving rise to such dispute, as the case may be, to the Holder. If the Holder and the Company are unable to agree upon such determination or calculation of the Exercise Price or the Warrant Shares within three (3) Business Days of such disputed determination or arithmetic calculation being submitted to the Holder, then the Company shall, within four (4) Business Days thereafter submit via facsimile the disputed determination of the Exercise Price or Warrant Shares to an independent, reputable investment bank mutually agreeable to the Company and the Holder. The Company shall cause the investment bank to perform the determinations or calculations and notify the Company and the Holder of the results no later than ten (10) Business Days from the time it receives the disputed determinations or calculations. Such investment bank's determination or calculation, as the case may be, shall be binding upon all parties absent demonstrable error. The expenses of the investment bank and any other reasonable expenses incurred in good faith in connection with any such dispute will be borne by the Company unless the investment bank or accountant determines that the determination of the Exercise Price or the arithmetic calculation of the Warrant Shares by the Holder was incorrect, in which case the expenses of the investment bank and any other reasonable expenses incurred in connection with any such dispute will be borne by the Holder.

14. REMEDIES, OTHER OBLIGATIONS, BREACHES AND INJUNCTIVE RELIEF. The remedies provided in this Warrant shall be cumulative and in addition to all other remedies available under this Warrant, at law or in equity (including a decree of specific performance and/or other injunctive relief), and nothing herein shall limit the right of the Holder to pursue actual damages for any failure by the Company to comply with the terms of this Warrant.

15. TRANSFER. This Warrant may be offered for sale, sold, transferred, hypothecated or assigned without the consent of the Company. This Warrant and the Warrant Shares have been registered by the Company with the U.S. Securities and Exchange Commission pursuant to the Registration Statement.

16. CERTAIN DEFINITIONS. For purposes of this Warrant, the following terms shall have the following meanings:

(a) **“Business Day”** means any day other than Saturday, Sunday or other day on which commercial banks in The City of New York are authorized or required by law to remain closed.

(b) **“Closing Sale Price”** means, for any security as of any date, the last closing trade price for such security on the Principal Market, as reported by Bloomberg, or, if the Principal Market begins to operate on an extended hours basis and does not designate the closing trade price, then the last trade price of such security prior to 4:00:00 p.m., New York time, as reported by Bloomberg, or, if the Principal Market is not the principal securities exchange or trading market for such security in the United States, the last trade price of such security on the principal securities exchange or trading market in the United States where such security is listed or traded as reported by Bloomberg, or if the foregoing does not apply, the last trade price of such security in the over-the-counter market on the electronic bulletin board for such security as reported by Bloomberg, or, if no last trade price is reported for such security by Bloomberg, the average of the ask prices of any market makers for such security as reported on Pink Quote published by Pink OTC Markets Inc. (formerly Pink Sheets). If the Closing Sale Price cannot be calculated for a security on a particular date on any of the foregoing bases, the Closing Sale Price of such security on such date shall be the fair market value as mutually determined by the Company and the Holder. If the Company and the Holder are unable to agree upon the fair market value of such security, then such dispute shall be resolved in accordance with the procedures in Section 13. All such determinations shall be appropriately adjusted for any stock dividend, stock split, stock combination or other similar transaction during such period.

(c) **“Common Shares”** means (i) shares of the Company’s common stock, \$0.001 par value (the “Common Stock”), and (ii) any share capital into which such Common Stock shall have been changed or any share capital resulting from a reclassification of such Common Stock.

(d) **“Eligible Market”** means The New York Stock Exchange, Inc., The NYSE Amex Equities or The NASDAQ Stock Market.

(e) **“Expiration Date”** means the date seven (7) years following the Issuance Date or, if such date falls on a day on which trading does not take place on the Principal Market (a **“Holiday”**), the next date that is not a Holiday.

(f) Intentionally omitted.

(g) **“Parent Entity”** of a Person means an entity that, directly or indirectly, controls the applicable Person and whose common stock or equivalent equity security is quoted or listed on an Eligible Market, or, if there is more than one such Person or Parent Entity, the Person or Parent Entity with the largest public market capitalization as of the date of consummation of the Fundamental Transaction.

(h) **“Person”** means an individual, a limited liability company, a partnership, a joint venture, a corporation, a trust, an unincorporated organization, any other entity and a government or any department or agency thereof.

(i) **“Principal Market”** means The NASDAQ Capital Market.

(j) **“Successor Entity”** means the Person (or, if such Person’s common stock or equivalent equity security is not quoted or listed on an Eligible Market, the Parent Entity) formed by, resulting from or surviving any Fundamental Transaction or the Person (or, if so elected by the Holder, the Parent Entity) with which such Fundamental Transaction shall have been entered into.

(k) **“Trading Day”** means any day on which the Common Shares are traded on the Principal Market, or, if the Principal Market is not the principal trading market in the United States for the Common Shares, then on the principal securities exchange or securities market in the United States on which the Common Shares are then traded; provided that “Trading Day” shall not include any day on which the Common Shares are scheduled to trade on such exchange or market for less than 4.5 hours or any day that the Common Shares are suspended from trading during the final hour of trading on such exchange or market (or if such exchange or market does not designate in advance the closing time of trading on such exchange or market, then during the hour ending at 4:00:00 p.m., New York time).

(l) **“VWAP”** means, for any date, the price determined by the first of the following clauses that applies: (a) if the Common Shares are then listed or quoted on the Principal Market or an Eligible Market, the daily volume weighted average price of the Common Shares for such date (or the nearest preceding date) on the trading market on which the Common Shares are then listed or quoted as reported by Bloomberg L.P. (based on a Trading Day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) if then quoted on the OTC Bulletin Board, the volume weighted average price of the Common Shares for such date (or the nearest preceding date) on the OTC Bulletin Board, (c) if the Common Shares are not then listed or quoted for trading on the OTC Bulletin Board and if prices for the Common Shares are then reported on Pink Quote published by Pink OTC Markets Inc. (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per Common Share so reported, or (d) in all other cases, the fair market value of one Common Share as determined by an independent appraiser reasonably acceptable to the Company and selected in good faith by the Investors identified on those Subscription Agreements executed on the Subscription Date holding a majority in interest of the Shares issued pursuant to the Subscription Agreements which are then outstanding, the fees and expenses of which shall be paid by the Company.

[Signature Page Follows]

IN WITNESS WHEREOF, the Company has caused this Warrant to Purchase Common Shares to be duly executed as of the Issuance Date set out above.

LIGHTBRIDGE CORPORATION

By: _____
Name:
Title:

EXERCISE NOTICE

TO BE EXECUTED BY THE REGISTERED HOLDER TO EXERCISE THIS
WARRANT TO PURCHASE COMMON SHARES

LIGHTBRIDGE CORPORATION

The undersigned holder hereby exercises the right to purchase_ of the Common Shares (“**Warrant Shares**”) of Lightbridge Corporation, a Nevada corporation (the “**Company**”), evidenced by the attached Warrant to Purchase Common Shares (the “**Warrant**”). Capitalized terms used herein and not otherwise defined shall have the respective meanings set forth in the Warrant.

1. Payment of Exercise Price. The holder shall pay the Aggregate Exercise Price in the sum of \$_____ to the Company in accordance with the terms of the Warrant.
2. Delivery of Warrant Shares. The Company shall deliver to the holder _____ Warrant Shares in accordance with the terms of the Warrant and, after delivery of such Warrant Shares, _ Warrant Shares remain subject to the Warrant.
3. Representations and Warranties. By its delivery of this Exercise Notice, the undersigned represents and warrants to the Company that in giving effect to the exercise evidenced hereby the holder will not beneficially own in excess of the number of Common Shares (determined in accordance with Section 13(d) of the Securities Exchange Act of 1934) permitted to be beneficially owned under Section 1(d) of the Warrant.

Date: _____, _____

Name of Registered holder

By: _____

Name:

Title:

ACKNOWLEDGMENT

The Company hereby acknowledges this Exercise Notice and hereby directs [Computershare Trust Company] to issue the above indicated number of Common Shares in accordance with the Transfer Agent Instructions dated [] from the Company [and acknowledged and agreed to by Computershare Trust Company].

LIGHTBRIDGE CORPORATION

By: _____
Name:

Title: _____

ASSIGNMENT FORM

LIGHTBRIDGE CORPORATION

(To assign the foregoing Warrant, execute this form and supply required information. Do not use this form to purchase shares.)

FOR VALUE RECEIVED, the foregoing Warrant and all rights evidenced thereby are hereby assigned to

Name:

(Please Print)

Address:

(Please Print)

Dated: _____, _____

Holder's Signature:

Holder's Address:

NOTE: The signature to this Assignment Form must correspond with the name as it appears on the face of the Warrant, without alteration or enlargement or any change whatever. Officers of corporations and those acting in a fiduciary or other representative capacity should file proper evidence of authority to assign the foregoing Warrant.



Pillsbury Winthrop Shaw Pittman LLP
2300 N Street, NW | Washington, DC 20037-1122 | tel 202.663.8371 | fax 202.663.8007

Exhibit 5.1

July 23, 2010

Lightbridge Corporation
1600 Tysons Boulevard, Suite 550
McLean, VA 22102

Ladies and Gentlemen:

We are acting as special U.S. securities counsel for China Valves Technology, Inc., a Nevada corporation (the "Company"), in connection with the issuance and sale by the Company of (i) up to 2,069,992 shares (the "Shares") of its common stock (the "Common Stock"), par value \$0.001 per share, of the Company, (ii) warrants (the "Warrants") to purchase up to 1,034,996 shares of Common Stock (the "Warrant Shares"), and (iii) the Warrant Shares, pursuant to the Registration Statement on Form S-3 (No. 333-162671) (such Registration Statement, as amended from time to time, is herein referred to as the "Registration Statement") filed by the Company with the Securities and Exchange Commission (the "Commission") under the Securities Act of 1933 (the "Act") and the related prospectus, dated November 24, 2009, as supplemented by the prospectus supplement filed with the Commission dated July 22, 2010, and as supplemented by the prospectus supplement to be filed with the Commission and to be dated July 22, 2010 relating to the offer and sale of the Shares, the Warrants and the Warrant Shares (as so supplemented, the "Prospectus").

We have reviewed and are familiar with such documents, corporate proceedings and other matters as we have considered relevant or necessary as a basis for this opinion. Based upon, subject to and limited by the foregoing and subject to the assumptions, qualifications, limitations, and exceptions set forth below, we are of the opinion that the Warrants, when issued and sold by the Company in the manner described in the Registration Statement and the Prospectus, will constitute a valid and legally binding obligation of the Company, enforceable against the Company in accordance with its terms.

The foregoing opinion is subject to the following assumptions, exceptions, qualifications and limitations:

a. Our opinion is subject to and limited by (i) the effect of bankruptcy, insolvency, fraudulent conveyance and other similar laws affecting or relating to the rights of creditors generally (ii) general equitable principles, (iii) requirements of reasonableness, good faith and fair dealing, and (iv) in the case of waivers and exculpatory provisions, the effect of public policy.

b. Certain remedial provisions of the Warrants on which we are opining may be unenforceable in whole or in part, but the inclusion of such provisions does not affect the validity of the balance of such Warrants, and the practical realization of the benefits created by such Warrants taken as a whole will not be materially impaired by the unenforceability of those particular provisions. In addition, certain remedial provisions of such Warrants may be subject to procedural requirements not set forth therein.

c. We have assumed for so much of our opinion as relates the choice of the law of New York as the governing law of the Warrants would not result in a violation of an important public policy of another state or country having greater contacts with the transactions contemplated by the Warrants than New York.

d. We express no opinion as to the validity or enforceability of any provisions in the Warrants that purport to prevent oral modification or waivers.

e. We have assumed that the Company is duly formed, validly existing and in good standing under the laws of Nevada and has the corporate power, and has taken or will take all necessary action required under the laws of Nevada (including any necessary stockholder action) to authorize it, to execute and deliver, and to perform its obligations under, the Warrants.

f. We have assumed that the execution and delivery of, and the performance of its obligations under, the Warrants by the Company do not and will not violate or conflict with, result in a breach of, or constitute a default under, the articles of incorporation or bylaws of the Company, each as amended and/or restated from time to time, or (ii) any order, decision, judgment or decree that may be applicable to the Company or any of its affiliates or any of their respective properties.

This opinion is limited to matters governed by the law of the State of New York.

We hereby consent to the filing of this opinion as Exhibit 5.2 to the Registration Statement and to the use of our name under the caption "Legal Matters" in the Registration Statement and in the Prospectus included therein. In giving this consent, we do not thereby admit that we are within the category of persons whose consent is required under Section 7 of the Act or the rules and regulations of the Commission promulgated thereunder.

Very truly yours,

/s/ Pillsbury Winthrop Shaw Pittman LLP

Gary R. Henrie

Attorney at Law
Licensed in the States of Utah and Nevada

3518 N. 1450 W.
Pleasant Grove, UT 84062

Telephone: 702-616-3093
e-mail: grhlaw@hotmail.com

July 23, 2010

Lightbridge Corporation
1600 Tysons Boulevard, Suite 550
McLean, Virginia 22102

Re: Lightbridge Corporation
Registration Statement on Form S-3

Ladies and Gentlemen:

I have acted as special Nevada counsel for Lightbridge Corporation, a Nevada corporation (the "Company"), for the purpose of issuing this opinion letter in connection with the registration statement on Form S-3 (the "Registration Statement") filed with the Securities and Exchange Commission (the "Commission") pursuant to the Securities Act of 1933 (the "Act"), including the prospectus included therein (the "Prospectus"), relating to the registration of the following securities of the Company having an aggregate initial public offering price of up to U.S. \$50,000,000 or the equivalent thereof in one or more foreign currencies, foreign currency units or composite currencies: (a) shares of Common Stock par value \$0.001 per share (the "Common Stock"), (b) shares of Preferred Stock, par value \$0.001 per shares (the "Preferred Stock"), in one or more series, (c) debt securities, in one or more series, (the "Debt Securities"), (d) warrants to purchase Common Stock, Preferred Stock, Debt Securities, or any combination thereof, in one or more series (the "Warrants") and (e) units consisting of Common Stock, Preferred Stock, Debt Securities or Warrants, or any combination thereof, in one or more series (the "Units"). The Common Stock, the Preferred Stock, the Debt Securities, the Warrants and the Units are collectively referred to herein as the "Securities."

In rendering the opinions set forth below, I have relied upon and have assumed that: (a) all information contained in all documents reviewed by me is true and correct; (b) all signatures on all documents examined by me are genuine; (c) all documents submitted to me as originals are authentic and all documents submitted to me as copies conform to the originals of those documents; (d) each natural person signing any document reviewed by me had the legal capacity to do so; (e) the Registration Statement, and any amendments thereto (including post-effective amendments) will have become effective and comply with all applicable laws; (f) all Securities will be issued and sold in compliance with applicable federal and state securities laws and in the manner stated in the Registration Statement as amended; (g) all information regarding the Company and its subsidiaries on official websites of state agencies is true and correct; (h) there will not have occurred any change in law affecting the validity or enforceability of the Securities; (i) any action taken by the Company's or any Subsidiary's board of directors (or authorized committee thereof) or governing body, will not have been modified or rescinded after the initial action was taken; (j) with respect to the Common Stock and Preferred Stock including stock to be issued upon the exercise of Warrants, the Company will have a sufficient number of authorized but unissued shares thereof under its Articles of Incorporation, as amended, and will have reserved from such authorized but unissued and unreserved shares, sufficient shares for the issuance thereof; (k) the certificates representing the Securities will be duly authorized, executed and delivered; and (l) where applicable, the Securities will be properly authenticated by the manual signature of an authorized representative of the trustee, warrant agent, unit agent or transfer agent.

Based upon the foregoing, I am of the opinion that:

1. The Company is a corporation validly existing and in good standing under the laws of the State of Nevada, with full corporate power to own, lease and operate its properties and conduct its business as described in the Registration Statement, the Disclosure Package and the Prospectus, to execute and deliver the Placement Agency Agreement and each of the Subscription Agreements, and to issue, sell and deliver the Securities as contemplated therein.
2. The Company is duly qualified to do business as a foreign corporation in the State of Virginia. To my knowledge, the State of Virginia is the only state within the United States in which the Company owns any material property or conducts any material business and in which the failure to be qualified as a foreign corporation would have a Material Adverse Effect.
3. Each of the Subsidiaries is validly existing as a corporation or other entity, as the case may be, in good standing under the laws of the jurisdiction of its incorporation or formation, as the case may be, with full corporate or limited liability company power to own, lease and operate its properties and conduct its business as described in the Registration Statement, the Disclosure Package and the Prospectus. I express no opinion in any respect regarding the Company's branch offices located in Europe and Asia.
4. Each of the Subsidiaries is duly qualified to transact business and is in good standing as a foreign corporation or other entity, as the case may be, in each jurisdiction where the ownership or leasing of its properties or the conduct of its business requires such qualification, except where the failure to be so qualified and in good standing would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.
5. The Company has an authorized capitalization as set forth in the Registration Statement and the Prospectus; all of the issued and outstanding shares of capital stock of the Company have been duly authorized and validly issued, are fully paid and non-assessable and to my knowledge are free of statutory preemptive rights and contractual preemptive rights, resale rights, rights of first refusal and similar rights.
6. All of the outstanding shares of capital stock or membership interests as the case may be of each of the Subsidiaries have been duly authorized and validly issued, are fully paid and non-assessable and, except as otherwise disclosed in the Registration Statement (excluding the exhibits thereto) and the Prospectus, are owned by the Company and are subject to no security interest or other encumbrance or adverse claim.

7. The Placement Agency Agreement and each of the Subscription Agreements have been duly authorized, executed and delivered by the Company. The Placement Agency Agreement and each of the Subscription Agreements is a valid and binding obligation of the Company, enforceable against the Company in accordance with its terms, provided that the Placement Agency Agreement and each of the Subscription Agreements have in fact been executed and delivered by the Company.
8. The Warrants have been duly authorized and, when executed by the Company and issued and delivered against payment of the Purchase Amount specified in the Placement Agency Agreement in accordance with the terms of the Placement Agency Agreement and the Subscription Agreements, will constitute valid and binding obligations of the Company, enforceable against the Company in accordance with their terms.
9. The Shares have been duly authorized and, when issued to the Investors in accordance with the terms of the Placement Agency Agreement and the Subscription Agreements, will be validly issued, fully paid and non-assessable, provided applicable consideration for the Shares is paid over to the Company.
10. The Warrant Shares issuable upon exercise of the Warrants have been duly authorized and reserved for issuance and, when issued to the holders of the Warrants in accordance with the terms of the Warrants, will be validly issued, fully paid and non-assessable, provided the applicable consideration for the Warrant Shares is paid over to the Company.
11. The Securities are free of statutory and, to my knowledge, contractual preemptive rights, resale rights, rights of first refusal and restrictions upon voting or transfer.
12. No approval, authorization, consent or order of or filing with any governmental authority of the State of Nevada is required in connection with the issuance and sale of the Securities, including the issuance of the Warrant Shares upon the exercise of the Warrants, and consummation by the Company of the transactions contemplated in the Placement Agency Agreement and the Subscription Agreements, other than registration of the Securities under the Securities Act (except I express no opinion as to any necessary qualification under the state securities or blue sky laws of the various jurisdictions in which the Securities are being offered including Nevada).
13. The execution and delivery of the Placement Agency Agreement and each of the Subscription Agreements by the Company, and the consummation by the Company of the transactions contemplated thereby to be consummated on the date hereof, do not violate (a) the Company's Articles of Incorporation or Bylaws, (b) the Nevada Corporation Law, or (c) to my knowledge any judgment, decree or order of any court or any other agency of government known to me that is applicable to the Company, any Subsidiary or any of their respective properties.

14. To my knowledge, there are no actions, suits, claims, investigations or proceedings pending against the Company or any Subsidiary which are required to be described in the Registration Statement, the Disclosure Package or the Prospectus but are not so described.

15. The information in the Registration Statement and the Prospectus under the headings “Description of Capital Stock,” “Description of Warrants,” “Description of Debt Securities,” and “Description of Units,” insofar as such statements constitute a summary of documents or matters of law, and those statements in the Registration Statement and the Prospectus that are descriptions of contracts, agreements or other legal documents or of legal proceedings, or refer to statements of law or legal conclusions, are to my knowledge accurate in all material respects, provided that some of the documents referenced may never be created or used and my review, with limited search only, has been limited to documents of which I am aware and which have been provided to me.

16. It is my understanding based upon my inquiries and I have no reason to believe otherwise, that no person has the right, pursuant to the terms of any contract, agreement or other instrument described in or filed as an exhibit to the Registration Statement or otherwise known to me, to cause the Company to register under the Securities Act any shares of Common Stock or shares of any other capital stock or other equity interest of the Company, or to include any such shares or interest in the Registration Statement or the offering contemplated thereby, whether as a result of the filing or effectiveness of the Registration Statement or the sale of the Securities as contemplated thereby or otherwise.

17. The execution and delivery of the Placement Agency Agreement and each of the Subscription Agreements by the Company, and the consummation by the Company of the transactions thereunder to be consummated as of the date hereof, do not and will not to my knowledge conflict with, result in any breach or violation of, or constitute a default under (nor constitute any event which with notice, lapse of time or both would result in any breach of or constitute a default under), any indenture, mortgage, deed of trust, bank loan or credit agreement, other evidence of indebtedness, any license, lease, contract or other agreement or instrument included as an exhibit to the Registration Statement or as an exhibit in any other report filed by the Company with the Commission and incorporated by reference into the Registration Statement.

The foregoing opinions are qualified to the extent that the enforceability of any document, instrument or Securities may be limited by or subject to bankruptcy, insolvency, fraudulent transfer or conveyance, reorganization, moratorium or other similar laws relating to or affecting creditors’ rights generally, and general equitable or public policy principles.

In providing this opinion, I have relied as to certain matters on information obtained from public officials and officers or agents of the company.

I express no opinions concerning: (i) the validity or enforceability of any provisions contained in Debt Securities, Warrant Agreements or other agreements that purport to waive or not give effect to rights to notices, defenses, subrogation or other rights or benefits that cannot be effectively waived under applicable law; and (ii) any securities into which the Debt Securities, Warrants and Units may be convertible or exercisable, except as opined to herein.

It is understood that this opinion is to be used only in connection with the offer and sale of the Securities while the Registration Statement is in effect.

Please note that I am opining only as to the matters expressly set forth herein, and no opinion should be inferred as to any other matters. This opinion is limited to matters governed by the Nevada Revised Statutes (including the statutory provisions and reported judicial decisions interpreting such law) and the laws of the State of Nevada. I disclaim any obligation to update this opinion or otherwise advise you of any change in any of these sources of law or subsequent legal or factual developments which might affect any matters or opinions set forth herein, nor do I deliver any opinion as to the extent to which any laws other than the laws of the State of Nevada apply or the effect of any such other laws should they apply.

Very truly yours,

/s/ Gary R. Henrie, Esq.

Gary R. Henrie, Esq.

I hereby consent to the use of this opinion as an Exhibit to the Registration Statement and to all references to myself under the caption Legal Matters in the Registration Statement.

Very truly yours,

/s/ Gary R. Henrie, Esq.

Gary R. Henrie, Esq.

SUBSCRIPTION AGREEMENT

This subscription (this "Subscription") is dated July 22, 2010, by and between the investor identified on the signature page hereto (the "Investor") and Lightbridge Corporation, a Nevada corporation (the "Company"), whereby the parties agree as follows:

1. Subscription.

(a) Investor agrees to buy and the Company agrees to sell and issue to Investor (i) such number of shares (the "Shares") of the Company's common stock, \$0.001 par value per share (the "Common Stock"), and (ii) warrants to purchase such number of shares of Common Stock (the "Warrants," and together with the Shares, the "Securities") as set forth on the signature page hereto, for an aggregate purchase price (the "Purchase Price") equal to the product of (x) the aggregate number of Shares the Investor has agreed to purchase and (y) the purchase price per Share set forth on the signature page hereto. The Purchase Price is set forth on the signature page hereto. The Company proposes to enter into substantially this same form of Subscription Agreement with certain other investors (the "Other Investors") and expects to complete sales of the Securities to them. The Investor and the Other Investors are hereinafter sometimes collectively referred to as the "Investors," and this Subscription and the Subscription Agreements executed by the Other Investors are hereinafter sometimes collectively referred to as the "Subscriptions".

(b) The Securities have been registered on a Registration Statement on Form S-3, Registration No. 333-162671 (the "Registration Statement"). The Registration Statement has been declared effective by the Securities and Exchange Commission and is effective on the date hereof. A final prospectus supplement will be delivered to the Investor as required by law.

(c) Payment of the Purchase Price for, and delivery by the Company of, the Securities shall take place at a closing (the "Closing"), which shall occur no later than three (3) trading days after the date of this Subscription, subject to the satisfaction or waiver of all the conditions to the Closing (the "Company Closing Conditions") set forth in the Placement Agency Agreement (the "Placement Agreement") dated July 22, 2010 by and among the Company and the placement agent named therein (the "Placement Agent").

(d) At or prior to the Closing, the Investor shall remit by wire transfer the amount of funds equal to the Purchase Price to following account designated by the Company and the Placement Agent pursuant to the terms of that certain Escrow Agreement (the "Escrow Agreement") dated as of July 22, 2010, by and among the Company, the Placement Agent and Collateral Agents, LLC (the "Escrow Agent");

Account Name: Lightbridge Corporation
Account Number: 664686672
Bank Name: HSBC BANK USA, N.A.
Bank Address: 9201 3rd Ave, Brooklyn, NY 11209
ABA Number: 021001088
Swift Number: MRMDUS 33
Contact: Sophia Sudeall
Telephone: 718-238-9329

Such funds shall be held in escrow until the Closing and delivered by the Escrow Agent on behalf of the Investors to the Company upon the satisfaction of the Company Closing Conditions. The Placement Agent shall have no rights in or to any of the escrowed funds, unless the Placement Agent and the Escrow Agent are notified in writing by the Company in connection with the Closing that a portion of the escrowed funds shall be applied to the Placement Fee.

Investor shall also furnish to the Placement Agent a completed W-9 form (or, in the case of an Investor who is not a United States citizen or resident, a W-8 form).

At the Closing, upon receipt of the Purchase Price, the Company shall cause the Securities to be delivered to the Investor, with the delivery of the Shares to be made through the facilities of The Depository Trust Company's DWAC system in accordance with the instructions set forth on the signature page attached hereto under the heading "DWAC Instructions" and the delivery of the Warrants to be made by mail to the Investor at the address set forth on the signature page attached hereto immediately under the Investor's signature block.

2. Company Representations and Warranties.

(a) The Company represents and warrants that: (i) it has full corporate power and authority to enter into this Subscription and to perform all of its obligations hereunder; (ii) this Subscription has been duly authorized and executed by, and when delivered in accordance with the terms hereof will constitute a valid and binding agreement of, the Company enforceable in accordance with its terms, except as such enforceability may be limited by bankruptcy, insolvency, reorganization, moratorium or similar laws affecting the rights and remedies of creditors generally or subject to general principles of equity; (iii) the execution and delivery of this Subscription and the consummation of the transactions contemplated hereby do not conflict with or result in a breach of (x) the Company's Articles of Incorporation or Bylaws, or (y) any material agreement to which the Company is a party or by which any of its property or assets is bound; (iv) the Shares when issued and paid for in accordance with the terms of this Subscription will be duly authorized, validly issued, fully paid and non-assessable, the Warrants when issued and paid for in accordance with the terms of this Subscription will be duly and validly authorized by the Company and upon delivery to the Investors at the Closing will be valid and binding obligations of the Company, enforceable in accordance with their terms, except as such enforceability may be limited by bankruptcy, insolvency, reorganization, moratorium or similar laws affecting the rights and remedies of creditors generally or subject to general principles of equity, and the shares of Common Stock issuable upon exercise of the Warrants when issued and paid for in accordance with the terms thereof will be duly authorized, validly issued, fully paid and non-assessable; (v) the Registration Statement and any post-effective amendment thereto, at the time it became effective, did not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading; (vi) the prospectus contained in the Registration Statement, as amended and/or supplemented, did not contain as of the effective date thereof, and as of the date hereof does not contain, any untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading; and (vii) all preemptive rights or rights of first refusal held by stockholders of the Company and applicable to the transactions contemplated hereby have been duly satisfied or waived in accordance with the terms of the agreements between the Company and such stockholders conferring such rights.

(b) The Placement Agreement contains certain representations, warranties, covenants and agreements of the Company that may be relied upon by the Investor, which shall be a third party beneficiary thereof. The Company hereby incorporates such representations, warranties, covenants and agreements herein, as if made on (i) the date hereof and (ii) the date of the Closing. The Company confirms that neither it nor any other Person acting on its behalf has provided the Investor or their agents or counsel with any information that constitutes or could reasonably be expected to constitute material, nonpublic information, except as will be disclosed in the Prospectus and/or in the Company's Form 8-K to be filed with the Commission in connection with the Offering. The Company understands and confirms that the Investor will rely on the foregoing representations in effecting transactions in securities of the Company.

3. Investor Representations, Warranties and Acknowledgments.

(a) The Investor represents and warrants that: (i) it has full right, power and authority to enter into this Subscription and to perform all of its obligations hereunder; (ii) this Subscription has been duly authorized and executed by the Investor and, when delivered in accordance with the terms hereof, will constitute a valid and binding agreement of the Investor enforceable against the Investor in accordance with its terms, except as such enforceability may be limited by bankruptcy, insolvency, reorganization, moratorium or similar laws affecting the rights and remedies of creditors generally or subject to general principles of equity; (iii) the execution and delivery of this Subscription and the consummation of the transactions contemplated hereby do not conflict with or result in a breach of (A) the Investor's articles of incorporation or bylaws (or other governing documents), or (B) any material agreement or any law or regulation to which the Investor is a party or by which any of its property or assets is bound; (iv) it has had full access to the base prospectus included in the Registration Statement, as amended and/or supplemented as of the date hereof, and the Company's periodic reports and other information incorporated by reference therein, and was able to read, review, download and print such materials; (v) in making its investment decision in this offering, the Investor and its advisors, if any, have relied solely on the Company's public filings with the Securities and Exchange Commission; (vi) it is knowledgeable, sophisticated and experienced in making, and is qualified to make, decisions with respect to investments in securities representing an investment decision like that involved in the purchase of the Securities; (vii) the Investor has had no position, office or other material relationship within the past three years with the Company or persons known to it to be affiliates of the Company; (viii), except as set forth below, the Investor is not a, and it has no direct or indirect affiliation or association with any, member of FINRA or an Associated Person (as such term is defined under the NASD Membership and Registration Rules Section 1011) as of the date hereof; and (ix) neither the Investor nor any group of Investors (as identified in a public filing made with the SEC) of which the Investor is a part in connection with the offering of the Securities, acquired, or obtained the right to acquire, 20% or more of the Common Stock (or securities convertible into or exercisable for Common Stock) or the voting power of the Company on a post-transaction basis.

(If no exceptions, write "none." If left blank, response will be deemed to be "none.")

(b) The Investor also represents and warrants that, other than the transactions contemplated hereunder, the Investor has not directly or indirectly, nor has any person acting on behalf of or pursuant to any understanding with the Investor, executed any purchase or sale in securities of the Company, including "short sales" as defined in Rule 200 of Regulation SHO under the Securities Exchange Act of 1934 ("Short Sales"), during the period commencing from the time that the Investor first became aware of the proposed transactions contemplated hereunder until the date hereof (the "Discussion Time"). The Investor has maintained the confidentiality of all disclosures made to it in connection with this transaction (including the existence and terms of this transaction).

4. Investor Covenant Regarding Short Sales and Confidentiality.

(a) The Investor covenants that neither it nor any affiliates acting on its behalf or pursuant to any understanding with it will execute any transactions in securities of the Company, including Short Sales, during the period after the Discussion Time and ending at the time that the transactions contemplated by this Subscription are first publicly announced through a press release and/or Form 8-K. The Investor covenants that until such time as the transactions contemplated by this Subscription are publicly disclosed by the Company through a press release and/or Form 8-K, the Investor will maintain the confidentiality of all disclosures made to it in connection with this transaction (including the existence and terms of this transaction).

(b) The Company and the Investor agree that the Company shall (a) no later than 9:00 am New York City time on the business day immediately following the date hereof, issue a press release announcing the material terms and conditions of the offering and (b) on the business day immediately following the date hereof, file a current report on Form 8-K with the Securities and Exchange Commission including, but not limited to, a form of this Agreement as an exhibit thereto. From and after the issuance of such press release, the Company shall have publicly disclosed all material, non-public information delivered to the Investor by the Company, if any, or any of its officers or directors. The Company shall not provide the Investor with any material, non-public information following the issuance of the press release. The Company shall not identify any Investor by name in any press release without such Investor's prior written consent.

5. Miscellaneous.

(a) This Subscription constitutes the entire understanding and agreement between the parties with respect to its subject matter, and there are no agreements or understandings with respect to the subject matter hereof which are not contained in this Subscription. This Subscription may be modified only in writing signed by the parties hereto.

(b) This Subscription may be executed in any number of counterparts, all of which taken together shall constitute one and the same instrument and shall become effective when counterparts have been signed by each party and delivered to the other parties hereto, it being understood that all parties need not sign the same counterpart. Execution may be made by delivery by facsimile.

(c) The provisions of this Subscription are severable and, in the event that any court or officials of any regulatory agency of competent jurisdiction shall determine that any one or more of the provisions or part of the provisions contained in this Subscription shall, for any reason, be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision or part of a provision of this Subscription and this Subscription shall be reformed and construed as if such invalid or illegal or unenforceable provision, or part of such provision, had never been contained herein, so that such provisions would be valid, legal and enforceable to the maximum extent possible, so long as such construction does not materially adversely effect the economic rights of either party hereto.

(d) All communications hereunder, except as may be otherwise specifically provided herein, shall be in writing and shall be mailed, hand delivered, sent by a recognized overnight courier service such as Federal Express, or sent via facsimile and confirmed by letter, to the party to whom it is addressed at the following addresses or such other address as such party may advise the other in writing:

To the Company: as set forth on the signature page hereto.

To the Investor: as set forth on the signature page hereto.

All notices hereunder shall be effective upon receipt by the party to which it is addressed.

(e) This Subscription shall be governed by and interpreted in accordance with the laws of the State of New York for contracts to be wholly performed in such state and without giving effect to the principles thereof regarding the conflict of laws. To the extent determined by such court, the prevailing party shall reimburse the other party for any reasonable legal fees and disbursements incurred in enforcement or protection of any of its rights under this Subscription.

If the foregoing correctly sets forth our agreement, please confirm this by signing and returning to us the duplicate copy of this Subscription.

LIGHTBRIDGE CORPORATION

By: _____
Name:
Title:

Address for Notice:

Lightbridge Corporation
1600 Tysons Boulevard, Suite 550
McLean, Virginia 22102
Attention: Chief Executive Officer
Facsimile No.: [·]
Attention: Chief Executive Officer

[Issuer's Signature Page to Subscription Agreement]

INVESTOR: _____

By: _____

Name:

Title:

Number of Shares: _____

Number of Warrants: _____

Purchase Price per Unit: \$ _____

Aggregate Purchase Price: \$ _____

Address for Notice and mailing the Warrants:

Facsimile: _____

Attention: _____

DWAC Instructions:

Name of DTC Participant (broker-dealer at which the account or accounts to be credited with the Shares are maintained):

DTC Participant Number:

Name of Account at DTC Participant being credited with the Shares:

Account Number at DTC Participant being credited with the Shares:

[Investor's Signature Page to Subscription Agreement]

Contact:

Lightbridge Corporation:
Gerry Pascale
(571) 730-1213
ir@Ltbridge.com

Linda Byus
(571) 730-1218
lbyus@ltbridge.com

Ogilvy Public Relations:
Greg Jawski
212-880-5353
greg.jawski@ogilvypr.com

Lightbridge Corporation Announces \$13.7 Million Registered Direct Offering

MCLEAN, VA, July 23, 2010 – Lightbridge Corporation (**NASDAQ: LTBR**), a leading developer of non-proliferative nuclear fuel technology and provider of comprehensive advisory services for civil nuclear energy programs, announced today that it has entered into purchase agreements with institutional investors, including the Special Situations Funds, to sell \$13.7 million of its common stock and warrants in a registered direct offering.

Under the terms of the offering, Lightbridge will sell a total of 2,069,992 newly issued shares of its common stock at \$6.60 per share. In addition, warrants to purchase a total of 1,034,996 shares of its common stock at an exercise price of \$9.00 per share will be issued to the investors. The warrants will be exercisable beginning on the six month anniversary of the closing date of the offering and will expire seven years from the date of issuance.

The offering is expected to close on or about Wednesday, July 28, 2010, subject to the satisfaction of customary closing conditions. The newly acquired capital will help to fund the Company's continued work on the nuclear fuel design business, providing the necessary financial flexibility to keep moving forward with current technological and nuclear fuel development plans.

William Blair & Company, LLC acted as the exclusive placement agent for the offering.

The securities described above are being offered by Lightbridge through a prospectus supplement pursuant to Lightbridge's shelf registration statement previously filed and declared effective by the Securities and Exchange Commission and the base prospectus contained therein. A prospectus supplement related to the offering will be filed with the Securities and Exchange Commission. This press release shall not constitute an offer to sell or the solicitation of an offer to buy, nor shall there be any sale of these securities in any state or jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state or jurisdiction. The securities may be offered only by means of a prospectus, including a prospectus supplement, forming a part of the effective registration statement. Copies of the final prospectus supplement and accompanying base prospectus may be obtained, when available, from William Blair & Company, L.L.C. at 222 West Adams, Chicago, Illinois 60606, attention: Equity Capital Markets at 312-236-1600 or the Securities and Exchange Commission's website at <http://www.sec.gov>.

About Lightbridge Corporation

Lightbridge is a U.S. nuclear energy company based in McLean, VA with operations in Abu Dhabi, Moscow and London. The Company develops non-proliferative nuclear fuel technology and provides comprehensive advisory services for established and emerging nuclear programs based on a philosophy of transparency, non-proliferation, safety and operational excellence. Lightbridge's breakthrough fuel technology is establishing new global standards for peaceful nuclear power and leading the way towards a sustainable energy future. Lightbridge consultants provide integrated strategic advice and expertise across a range of disciplines including regulatory affairs, nuclear reactor procurement and deployment, reactor and fuel technology and international relations. The Company leverages those broad and integrated capabilities by offering services to commercial entities and governments with a need to establish or expand nuclear industry capabilities and infrastructure.

Forward Looking Statement

This press release contains statements that are forward-looking in nature, including statements regarding the Company's competitive position and product and service offerings. These statements are based on current expectations on the date of this press release and involve a number of risks and uncertainties, which may cause actual results to differ significantly from such estimates. The risks include, but are not limited to, the degree of market adoption of the Company's product and service offerings; market competition; dependence on strategic partners; and the Company's ability to manage its business effectively in a rapidly evolving market. Certain of these and other risks are set forth in more detail in "Item 1A. Risk Factors" in Lightbridge's Quarterly report on Form 10-Q for the fiscal quarter ended June 30, 2010. Lightbridge does not assume any obligation to update or revise any such forward-looking statements, whether as the result of new developments or otherwise.
