

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-Q/A
(AMENDMENT NO. 1)

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934
For the quarterly period ended: September 30, 2009

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934
For the transition period from _____ to _____

Commission File Number: 000-28543

LIGHTBRIDGE CORPORATION
(Exact name of registrant as specified in its charter)

Nevada
(State or other jurisdiction of
incorporation or organization)

91-1975651
(I.R.S. Empl. Ident. No.)

1600 Tyson's Boulevard, Suite 550
McLean, VA 22102
(Address of principal executive offices, Zip Code)

(571) 730-1200

(Registrant's telephone number, including area code)

(Former Name, Former Address and Former Fiscal Year if Changed Since Last Report)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Exchange Act during the past 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large Accelerated Filer Accelerated Filer
Non-Accelerated Filer (Do not check if a smaller reporting company) Smaller reporting company

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

The number of shares outstanding of each of the issuer's classes of common equity, as of November 11, 2009 is as follows:

Class of Securities	Shares Outstanding
Common Stock, \$0.001 par value	10,965,566

Transitional Small Business Disclosure Format (check one): Yes No

EXPLANATORY NOTE

This Amendment No. 1 on Form 10-Q/A (this "Amendment") amends the Lightbridge Corporation (the "Company") Quarterly Report on Form 10-Q for the quarter ended September 30, 2009, previously filed with the Securities and Exchange Commission on November 12, 2009 (the "Original Filing"). This Amendment is being filed solely to include revised certifications of the Principal Executive Officer and the Principal Financial and Accounting Officer, required pursuant to Rule 13a-14(a)/15d-14(a) of the Securities Exchange Act and 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002. Each certification, as corrected by this Amendment, was true and correct as of the date of the Original Filing.

No modification or update is otherwise made to any other disclosures in the Original Filing, nor does this Amendment reflect any events occurring after the date of the Original Filing.

PART II
OTHER INFORMATION

ITEM 6. EXHIBITS

The following exhibits are filed with this report, except those indicated as having previously been filed with the SEC and are incorporated by reference to another report, registration statement or form. As to any shareholder of record requesting a copy of this report, we will furnish any exhibit indicated in the list below as filed with this report upon payment to us of our expenses in furnishing the information.

<i>Exhibit Number</i>	<i>Description</i>
3.1	Articles of Incorporation (incorporated by reference Exhibit 3.1 of the Company's Quarterly Report on Form 10-Q filed on November 12, 2009)
3.2	By-laws (incorporated by reference from the current report of the Company on Form 8-K filed on September 18, 2006).
4.1	2005 Compensation Plan for Outside Consultants of Custom Brand Networks, Inc. dated March 1, 2005 (incorporated by reference from the Company's Registration Statement on Form S-8 filed on March 10, 2005).
4.2	2005 Augmented Compensation Plan for Outside Consultants of the Company dated August 15, 2005 (incorporated by reference from the Company's Registration Statement on Form S-8 filed on August 19, 2005).
4.3	2006 Stock Plan (incorporated by reference to Exhibit 10.1 of the current report of the Company on Form 8-K filed February 21, 2006)
10.1	Restricted Stock Grant Agreement, dated July 14, 2009, between Seth Grae and the Company (incorporated by reference to Exhibit 10.1 of Amendment No. 1 to the current report of the Company on Form 8-K filed July 22, 2009)
10.2	Stock Option Agreement, dated July 14, 2009, between Seth Grae and the Company (incorporated by reference to Exhibit 10.1 of Amendment No. 2 to the current report of the Company on Form 8-K filed July 22, 2009)
10.3	Restricted Stock Grant Agreement, dated July 14, 2009, between James Guerra and the Company (incorporated by reference to Exhibit 10.3 of Amendment No. 1 to the current report of the Company on Form 8-K filed July 22, 2009)
10.4	Stock Option Agreement, dated July 14, 2009, between James Guerra and the Company (incorporated by reference to Exhibit 10.4 of Amendment No. 1 to the current report of the Company on Form 8-K filed July 22, 2009)
10.5	Initial Collaborative Agreement, dated July 23, 2009, between the Company and Areva. (incorporated by reference to Exhibit 10.1 of Amendment No. 1 to the current report of the Company on Form 8-K filed July 23, 2009)
10.6	Agreement for Consulting Services, dated August 3, 2009, between the Company and Areva (incorporated by reference to Exhibit 10.1 of Amendment No. 1 to the current report of the Company on Form 8-K filed August 4, 2009)
10.7	Collaboration Framework Agreement, dated August 3, 2009, between the Company and Areva (incorporated by reference to Exhibit 10.1 of Amendment No. 1 to the current report of the Company on Form 8-K filed August 6, 2009)
10.8	Agreement for Ampoule Irradiation Testing, effective as of August 21, 2009, between Thorium Power, Inc. and Russian Research Centre Kurchatov Institute. (incorporated by reference to Exhibit 10.1 of Amendment No. 1 to the current report of the Company on Form 8-K filed August 25, 2009)
31.1*	Rule 13a-14(a)/15d-14(a) Certification - Principal Executive Officer
31.2*	Rule 13a-14(a)/15d-14(a) Certification - Principal Accounting Officer
32 *	Section 1350 Certifications

* Filed Herewith

SIGNATURES

In accordance with section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant caused this Report on Form 10-Q to be signed on its behalf by the undersigned, thereto duly authorized individuals.

Date: November 19, 2009

LIGHTBRIDGE CORPORATION

By: /s/ Seth Grae

Seth Grae
Chief Executive Officer,
President and Director
(Principal Financial Officer)

By: /s/ James Guerra

James Guerra
Chief Operating Officer and
Chief Financial Officer
(Principal Financial Officer and
Principal Accounting Officer)

EXHIBIT INDEX

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32 *	Section 1350 Certifications

*Filed Herewith

I, Seth Grae, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Lightbridge Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 19, 2009

/s/ Seth Grae

Seth Grae, Principal Executive Officer

I, James Guerra, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Lightbridge Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 19, 2009

/s/ James Guerra

James Guerra, Principal Financial Officer

**STATEMENT FURNISHED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

The undersigned is the Chief Executive Officer and Treasurer or Principal Accounting Officer of Lightbridge Corporation. This Certification is made pursuant to Section 906 of the Sarbanes-Oxley Act of 2002. This Certification accompanies the Quarterly Report on Form 10-Q of Lightbridge Corporation for the three months ended September 30, 2009.

The undersigned certifies that such 10-Q Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and that the information contained in such 10-Q Report fairly presents, in all material respects, the financial condition and results of operations of Lightbridge Corporation as of September 30, 2009.

This Certification is executed as of November 19, 2009.

By: /s/ Seth Grae

Name: Seth Grae

*Title: President, Chief Executive Officer and Director
(Principal Executive Officer)*

By: /s/ James Guerra

Name: James Guerra

*Title: Chief Operating Officer and Chief Financial Officer
(Principal Financial Officer and Principal Accounting Officer)*

A signed original of this written statement required by Section 906 has been provided to Lightbridge Corporation and will be retained by Lightbridge Corporation and furnished to the Securities and Exchange Commission or its staff upon request.

The forgoing certification is being furnished to the Securities and Exchange Commission pursuant to § 18 U.S.C. Section 1350. It is not being filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, and is not to be incorporated by reference into any filing of the Company, whether made before or after the date hereof, regardless of any general incorporation language in such filing.
