

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

FORM 10-Q

(Mark One)

☒ **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the quarterly period ended: March 31, 2010

☐ **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 Tysons Boulevard, Suite 550
McLean, VA 22102

(Address of principal executive offices, Zip Code)

(571) 730-1200

(Registrant's telephone number, including area code)
Thorium Power Ltd.

(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

☐

Non-Accelerated Filer

☐ (Do not check if a smaller reporting company)

Accelerated Filer ☐

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 May 1, 2010 is as follows:

Class of Securities

Common Stock, \$0.001 par value

Shares Outstanding

10,168,412

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

ITEM 1. FINANCIAL STATEMENTS

LIGHTBRIDGE CORPORATION

UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

MARCH 31, 2010 AND 2009

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Lightbridge Corporation
Condensed Consolidated Balance Sheets

	March 31, 2010 (Unaudited)	December 31, 2009
ASSETS		
Current Assets		
Cash and cash equivalents	\$ 2,000,134	\$ 3,028,791
Restricted cash	652,174	652,174
Accounts receivable - project revenue and reimbursable project costs	2,647,233	2,421,088
Prepaid expenses & other current assets	675,523	574,095
Total Current Assets	<u>5,975,064</u>	<u>6,676,148</u>
Property Plant and Equipment -net	<u>90,608</u>	<u>97,559</u>
Other Assets		
Patent costs - net	241,845	241,845
Security deposits	120,487	120,486
Total Other Assets	<u>362,332</u>	<u>362,331</u>
Total Assets	<u>\$ 6,428,004</u>	<u>\$ 7,136,038</u>
LIABILITIES AND STOCKHOLDERS EQUITY		
Current Liabilities		
Accounts payable and accrued liabilities	<u>\$ 1,575,718</u>	<u>\$ 2,162,221</u>
Total Liabilities	<u>1,575,718</u>	<u>2,162,221</u>
Commitments and contingencies		
Stockholders' Equity		
Preferred stock, \$0.001 par value, 50,000,000 authorized shares, no shares issued and outstanding	-	-
Common stock, \$0.001par value, 500,000,000 authorized, 10,168,412 shares issued and outstanding at March 31, 2010 and December 31, 2009	10,168	10,168
Additional paid in capital - stock and stock equivalents	54,836,265	54,108,685
Accumulated Deficit	(50,407,044)	(48,723,286)
Common stock reserved for issuance, 135,318 and 5,721 shares at March 31, 2010 and December 31, 2009, respectively	1,134,264	34,750
Deferred stock compensation	(721,367)	(456,500)
Total Stockholders' Equity	<u>4,852,286</u>	<u>4,973,817</u>
Total Liabilities and Stockholders' Equity	<u>\$ 6,428,004</u>	<u>\$ 7,136,038</u>

The accompanying notes are an integral part of these unaudited condensed consolidated financial statements

Lightbridge Corporation
Unaudited Condensed Consolidated Statements of Operations

	Three Months Ended March, 31	
	2010	2009
Revenue:		
Consulting Revenue	\$ 2,399,132	\$ 2,944,053
Cost of Consulting Services Provided	<u>1,505,490</u>	<u>1,748,518</u>
Gross Margin	<u>893,642</u>	<u>1,195,535</u>
Operating Expenses		
General and administrative	2,372,263	2,262,681
Research and development expenses	<u>204,743</u>	<u>453,805</u>
Total Operating Expenses	<u>2,577,006</u>	<u>2,716,486</u>
Operating loss	<u>(1,683,364)</u>	<u>(1,520,951)</u>
Other Income and (Expenses)		
Interest income	152	3,028
Other expenses	(546)	(4,538)
Total Other Income and Expenses	<u>(394)</u>	<u>(1,510)</u>
Net loss before income taxes	(1,683,758)	(1,522,461)
Income taxes	<u>0</u>	<u>0</u>
Net loss	<u>\$ (1,683,758)</u>	<u>\$ (1,522,461)</u>
Net Loss Per Common Share, Basic and diluted	<u>\$ (0.17)</u>	<u>\$ (0.15)</u>
Weighted Average Number of shares outstanding for the period used to compute per share data	<u>10,168,412</u>	<u>10,055,580</u>

The accompanying notes are an integral part of these unaudited condensed consolidated financial statements

Lightbridge Corporation
Unaudited Condensed Consolidated Statements of Cash Flows

	Three Months Ended March 31,	
	2010	2009
Operating Activities:		
Net Loss	\$ (1,683,758)	\$ (1,522,461)
Adjustments to reconcile net loss from operations to net cash used in operating activities:		
Stock based compensation	859,576	1,272,971
Depreciation and amortization	6,951	6,004
Changes in non-cash operating working capital items:		
Accounts receivable - fees and reimburseable project costs	(226,145)	1,038,592
Prepaid expenses and other current assets	(101,428)	(387,189)
Accounts payable, accrued liabilities and other current liabilities	116,147	(1,596,398)
Net Cash Used In Operating Activities	<u>(1,028,657)</u>	<u>(1,188,481)</u>
Investing Activities:		
Patent costs	0	(16,402)
Net Cash Used In Investing Activities	<u>0</u>	<u>(16,402)</u>
Financing Activities:		
Net Cash Provided by (Used In) Financing Activities	<u>0</u>	<u>0</u>
Net Decrease In Cash and Cash Equivalents	(1,028,657)	(1,204,883)
Cash and Cash Equivalents, Beginning of Period	<u>3,028,791</u>	<u>5,580,244</u>
Cash and Cash Equivalents, End of Period	<u>\$ 2,000,134</u>	<u>\$ 4,375,361</u>
Supplemental Disclosure of Cash Flow Information		
Cash paid during the year:		
Interest paid	<u>\$ 0</u>	<u>\$ 0</u>
Income taxes paid	<u>\$ 0</u>	<u>\$ 266,000</u>
Non-Cash Financing Activity		
Grant of Common Stock for Payment of Accrued Liabilities	<u>\$ 702,651</u>	<u>\$ 0</u>

The accompanying notes are an integral part of these unaudited condensed consolidated financial statements

Lightbridge Corporation
Unaudited Condensed Consolidated Statements of Changes in Stockholders' Equity
For the Three Months Ended March 31, 2010 (Unaudited) and Year Ended December 31, 2009

	Common Stock		Additional		Stock Committed	Deferred	Stockholders'
	Shares	Amount	Paid-in Capital	Deficit	Future Issuance	Stock Compensation	Equity
Balance - December 31, 2008	10,049,769	\$ 10,050	\$ 48,898,894	\$ (41,489,974)	\$ 114,787	\$ (225,959)	\$ 7,307,798
Stock based compensation	0	0	4,483,735	0	139,000	226,252	4,848,987
Net loss for the year	0	0	0	(7,233,312)	0	0	(7,233,312)
Shares issued - non cash	108,026	108	675,722	0	(219,037)	(456,793)	0
Shares issued - cash (options exercised)	10,617	10	50,334	0	0	0	50,344
Balance - December 31, 2009	10,168,412	10,168	54,108,685	(48,723,286)	34,750	(456,500)	4,973,817
Stock based compensation	0	0	727,580	0	35,750	96,246	859,576
Net loss for the period	0	0	0	(1,683,758)	0	0	(1,683,758)
Shares issued - non cash	0	0	0	0	1,063,764	(361,113)	702,651
Balance - March 31, 2010	10,168,412	\$ 10,168	\$ 54,836,265	\$ (50,407,044)	\$ 1,134,264	\$ (721,367)	\$ 4,852,286

The accompanying notes are an integral part of these unaudited condensed consolidated financial statements

Lightbridge Corporation
Notes to Unaudited Condensed Consolidated Financial Statements
For the Three Months Ended March 31, 2010 and 2009

1. NATURE OF OPERATIONS AND BASIS OF PRESENTATION

Basis of presentation

The accompanying unaudited condensed consolidated financial statements of the Lightbridge Corporation and its subsidiaries have been prepared in accordance with the rules and regulations of the Securities and Exchange Commission, or the SEC, including the instructions to Form 10-Q and Regulation S-X. Certain information and note disclosures normally included in financial statements prepared in accordance with generally accepted accounting principles in the United States of America have been condensed or omitted from these statements pursuant to such rules and regulations and, accordingly, they do not include all the information and notes necessary for comprehensive consolidated financial statements and should be read in conjunction with our audited consolidated financial statements for the year ended December 31, 2009, included in our Annual Report on Form 10-K for the year ended December 31, 2009.

In the opinion of the management of the Company, all adjustments, which are of a normal recurring nature, necessary for a fair statement of the results for the three-month period have been made. Results for the interim periods presented are not necessarily indicative of the results that might be expected for the entire fiscal year. When used in these notes, the terms "Company", "we", "us" or "our" mean Lightbridge Corporation and all entities included in our consolidated financial statements.

Nature of operations

Our subsidiary, Thorium Power Inc., or TPI, was incorporated in the state of Delaware on January 8, 1992. On February 14, 2006, Lightbridge Corporation entered into an agreement and plan of merger with TPI. On October 6, 2006 Lightbridge Corporation acquired TPI through a merger transaction pursuant to the agreement and plan of merger. On September 29, 2009 we changed our name from Thorium Power, Ltd. to Lightbridge Corporation and we effected a 1-for-30 reverse stock split of our common stock.

We are now engaged in two business segments. The first business segment is the development, promotion and marketing of our patented thorium-based nuclear fuel designs for existing pressurized water reactors. Presently, we are focusing most of our efforts on demonstrating and testing our nuclear fuel technology for the Russian designed VVER-1000 reactors. Operations to date in this business segment have been devoted primarily to continued development of our fuel designs, filing for certain patents related to our technology, developing strategic relationships within the nuclear power industry, and securing political as well as some financial support from the United States and Russian governments.

Once our reactor fuels are further developed and tested, we plan to license our intellectual property rights to fuel fabricators, nuclear generators, and governments for use in commercial light water nuclear reactors, or sell the technology to a major nuclear company or government contractor, or some combination of the two. We anticipate having the final design of our fuel technology for VVER-1000 reactors and commencing the demonstration of our fuel in a VVER-1000 operating reactor within the next three to five years. Presently all of our research, testing and demonstration activities are being conducted in Russia. Our research operations are subject to various political, economic, and other risks and uncertainties inherent in Russia.

Our business model expanded in 2007, and our second business segment is providing consulting and strategic advisory services to companies and governments planning to create or expand electricity generation capabilities using nuclear power plants. We have secured four contracts with successively larger values for consulting and strategic advisory services in the United Arab Emirates, or UAE. On August 1, 2008, we signed separate consulting services agreements with two government entities formed by Abu Dhabi. Under these two agreements, we are to provide consulting and strategic advisory services over a contract term of five years starting from June 23, 2008, with automatic renewals of these contracts for one year periods.

Lightbridge Corporation
Notes to Unaudited Condensed Consolidated Financial Statements
For the Three Months Ended March 31, 2010 and 2009

On July 23, 2009, we entered into an Initial Collaborative Agreement with AREVA ("AREVA Agreement"). Pursuant to this agreement, we will conduct the first phase of an investigation of specific topics of thorium fuel cycles in AREVA's light water reactors, or LWRs. This first phase will focus on providing initial general results relating to evolutionary approaches to the use of thorium in AREVA's LWRs, specifically within AREVA's Evolutionary Power Reactor. Anticipated phase 2 and further phases of the collaboration, including a detailed study of evolutionary and longer-term thorium fuel concepts, will be conducted in accordance with additional collaborative agreements.

Phase 1 and phase 2 of the collaboration between us and AREVA are being conducted with the intention of future collaborative agreements between the two parties in order to develop and set up new products and technologies related to thorium fuel concepts. AREVA's use of our intellectual property for commercial purposes or any purpose other than as specified in the AREVA Agreement would be separately negotiated on a royalty basis.

Pursuant to our agreement with AREVA, each party retains ownership in its existing (i.e., developed prior to entering into the AREVA Agreement) intellectual property. The parties have also agreed that AREVA will retain full ownership of any work product resulting from the services performed under the AREVA Agreement that relate to AREVA's light water reactors (LWRs) and we will retain full ownership of any work product resulting from the services performed under the AREVA Agreement that relate to reactors other than AREVA's LWRs, including, but not limited to Russian VVER-type reactors.

Accounting Policies

a) Consolidation

These financial statements include the accounts of Lightbridge Corporation, a Nevada corporation, and our wholly-owned subsidiaries, Thorium Power, Inc., a Delaware corporation, and Lightbridge Power International Holding, LLC, a Delaware limited liability company.

All significant intercompany transactions and balances have been eliminated in consolidation. We formed a branch office in the United Kingdom in 2008 called Lightbridge Advisors Limited, which is wholly-owned by our subsidiary Lightbridge Power International Holding, LLC, as well as a branch office in Moscow Russia, established in July 2009 and a branch office in the UAE in January 2010.

b) Use of Estimates and Assumptions

The preparation of financial statements, in conformity with accounting principles generally accepted in the United States of America, requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates.

Significant Estimates

These consolidated financial statements include some amounts that are based on management's best estimates and judgments. The most significant estimates relate to valuation of stock grants and stock options, the valuation allowance for deferred taxes, impairment testing of intangible assets and various contingent liabilities. It is reasonably possible that the above-mentioned estimates and others may be adjusted as more current information becomes available, and any adjustment could be significant in future reporting periods.

Lightbridge Corporation
Notes to Unaudited Condensed Consolidated Financial Statements
For the Three Months Ended March 31, 2010 and 2009

c) Revenue Recognition

Consulting Business Segment

Revenue—at the present time we are deriving substantially all of our revenue from our consulting and strategic advisory services business segment, by offering services to foreign governments planning to create or expand electricity generation capabilities using nuclear power plants. Our fee structure for each client engagement is dependent on a number of variables, including the size of the client, the complexity, the level of the opportunity for us to improve the client's electrical generation capabilities using nuclear power plants, and other factors. The accounting policy we use to recognize revenue depends on the terms of the specific contract. Substantially all of our consulting contracts mentioned below are with the Executive Affairs Authority, or EAA, of Abu Dhabi, one of the member Emirates of the UAE, and the related entities: Emirates Nuclear Energy Corporation, or ENEC, and Federal Authority for Nuclear Regulation, or FANR. All of our revenues recognized for 2010 and 2009 are recognized on a time and expense basis.

Certain customer arrangements require evaluation of the criteria outlined in the accounting standards of reporting revenue Gross as a Principal Versus Net as an Agent in determining whether it is appropriate to record the gross amount of revenue and related costs or the net amount earned as agent fees. Generally, when we are primarily obligated in a transaction, revenue is recorded on a gross basis. Other factors that we consider in determining whether to recognize revenue on a gross versus net basis include our assumption of credit risk, our latitude in establishing prices, our determination of service specifications and our involvement in the provision of services. When we conclude that we are not primarily obligated as a principal, we record the net amount earned as agent fees within net sales.

Technology Business Segment

Once our thorium-based nuclear fuel designs have advanced to a commercially usable stage, we will seek to license our technology to major government contractors or nuclear companies, working for the U.S. and other governments. We expect that our revenue from license fees will be recognized on a straight-line basis over the expected period of the related license term.

We recognize revenue from our agreement with AREVA upon the completion of certain defined contract deliverables that are accepted by AREVA.

d) Stock-Based Compensation

We account for stock-based awards at the fair value on the date of grant and recognition of compensation over the service period for awards expected to vest. The fair value of restricted stock and restricted stock units is determined based on the number of shares granted and the average of the high bid and low asked prices of the shares in the market on the trading day immediately preceding the grant date. Such value is recognized as expense over the service period, net of estimated forfeitures.

e) Earnings per Share

Basic earnings per share is calculated using our weighted-average outstanding common shares. Diluted earnings per share is calculated using our weighted-average outstanding common shares including the dilutive effect of stock awards as determined under the treasury stock method.

Lightbridge Corporation
Notes to Unaudited Condensed Consolidated Financial Statements
For the Three Months Ended March 31, 2010 and 2009

f) Recent Accounting Pronouncements

FASB Accounting Standards Codification (Accounting Standards Update “ASU” 2009-1). In June 2009, the FASB approved its Accounting Standards Codification, or Codification, as the single source of authoritative United States accounting and reporting standards applicable for all non-governmental entities, with the exception of the SEC and its staff. The Codification is effective for interim or annual financial periods ending after September 15, 2009 and impacts our financial statements as all future references to authoritative accounting literature will be referenced in accordance with the Codification. There have been no changes to the content of our financial statements or disclosures as a result of implementing the Codification during the quarter ended September 30, 2009. As a result of our implementation of the Codification during the quarter ended September 30, 2009, previous references to new accounting standards and literature are no longer applicable.

2. FINANCIAL STATUS OF THE COMPANY

We are currently executing our strategic plan for 2010 and working on determining our future cash needs. Management anticipates, based on its current working capital and projected working capital requirements, that we will have enough working capital funds to sustain our current operations at the current operating level until sometime in 2011. In support of our longer-term business plan, we will need to raise additional capital by way of an offering of equity securities, an offering of debt securities, or by obtaining financing through a bank or other entity to finance our research and development expenditures. We may also need to raise additional capital sooner to support our overhead operation if the consulting and strategic advisory services business becomes non-sustaining. Currently, we are working on other revenue opportunities with the overall goal of increasing our profitability and cash flow. We expect to meet all of our financial commitments and operating needs for 2010.

3. CONSULTING REVENUES

ENEC and FANR Projects

Substantially all of our revenue earned in the amount of approximately \$2.4 million and \$2.9 million for the first quarter of 2010 and 2009, has been derived from the two consulting contracts we entered into in August 2008, for consulting services to be rendered for future periods. The variation in revenue reflects the uneven nature of consulting projects and the timing of revenues recognized on the respective projects.

We expect to continue to provide strategic advisory services to the EAA of Abu Dhabi and to both the ENEC and FANR entities during the five-year term of these consulting agreements. Under these agreements, revenue will be recognized on a time and expense basis. We periodically discuss our consulting work with the EAA of Abu Dhabi, who will review the work we perform, and our reimbursable travel expenses, prior to the date of our monthly invoicing for services and expenses.

Travel costs and other reimbursable costs under these contracts are reported in the accompanying statement of operations as both revenue and cost of consulting services provided, and totaled approximately \$361,000 for the three months ended March 31, 2010 and approximately \$335,000 for the three months ended March 31, 2009. The total travel and other reimbursable expenses that have not been reimbursed are being presented on the accompanying balance sheet and included in total accounts receivable in the amount of approximately \$385,000 at March 31, 2010 and approximately \$159,000 at December 31, 2009. The remaining accounts receivable reported at March 31, 2010 of approximately \$2,263,000 represents consulting fees billed and due for the work performed for both the ENEC and FANR projects mentioned above. Total accounts receivable reported on the accompanying balance sheet is approximately \$2,647,000 at March 31, 2010 and approximately \$2,421,000 at December 31, 2009. At March 31, 2010 approximately \$524,000 is for March 2010 work that was billed in April 2010.

Lightbridge Corporation
Notes to Unaudited Condensed Consolidated Financial Statements
For the Three Months Ended March 31, 2010 and 2009

4. BUSINESS SEGMENTS

We have two principal operating segments, which are (1) fuel technology (includes the AREVA contract) and (2) consulting and strategic advisory services. These operating segments were determined based on the nature of the operations and the services offered. Operating segments are defined as components of an enterprise about which separate financial information is available that is evaluated regularly by the chief operating decision-maker, in deciding how to allocate resources and in assessing performance. Our Chief Executive Officer and Chief Operating Officer/Chief Financial Officer have been identified as the chief operating decision makers. Our chief operating decision makers direct the allocation of resources to operating segments based on the profitability, the cash flows, and the business plans of each respective segment.

We evaluate performance based on several factors, of which the primary financial measure is business segment income before taxes. The following tables show the operations of our reportable segments for the three months ended March 31, 2010 and 2009:

BUSINESS SEGMENT RESULTS – THREE MONTHS ENDED MARCH 31, 2010 AND 2009

	Consulting		Fuel Technology		Corporate and Eliminations		Total	
	2010	2009	2010	2009	2010	2009	2010	2009
Revenue	2,294,132	2,944,053	105,000	—	—	—	2,399,132	2,944,053
Segment Profit (Loss) – Pre Tax	612,816	1,195,535	(134,449)	(453,805)	(2,162,125)	(2,264,191)	(1,683,758)	(1,522,461)
Total Assets	2,650,113	2,297,070	224,432	309,274	3,553,459	4,529,694	6,428,004	7,136,038
Property Additions	—	—	—	—	—	—	—	—
Interest Expense	—	—	—	—	—	—	—	—
Depreciation	—	—	199	—	6,752	6,004	6,951	6,004

5. RESEARCH AND DEVELOPMENT COSTS

Research and development costs, included in the statement of operations amounted to approximately \$205,000 and \$454,000 for the three months ended March 31, 2010 and 2009, respectively. Total cumulative expense has amounted to \$8.1 million from January 8, 1992, the inception of TPI, to March 31, 2010. These totals do not include the costs incurred on the research and development contracts with AREVA which may result in potential intellectual property for us to use in the future, for other than AREVA's LWRs reactors, including but not limited to Russian VVER-type reactors.

Lightbridge Corporation
Notes to Unaudited Condensed Consolidated Financial Statements
For the Three Months Ended March 31, 2010 and 2009

Research and Development Contracts

We entered into a contract with AREVA on August 3, 2009, under which we are obligated to perform certain specific research and development activities under an Initial Collaborative Agreement. We receive fees under the terms of this AREVA Agreement.

AREVA is obligated to pay us a total of \$550,000 for services provided in phase 1, assuming no early termination and assuming completion of the original scope of work. AREVA will also reimburse us for any reasonable out of pocket expenses properly incurred by us and directly attributable to the provision of the services outlined in the AREVA Agreement.

Compensation earned and costs incurred by us for the three months ended March 31, 2010 under this contract are as follows:

Fees & Expense Reimbursements	<u>\$ 105,000</u>
Costs incurred to date - charged to cost of consulting services provided	<u>\$ 40,282</u>

Deferred project costs, included on the balance sheet in the caption "prepaid expenses & other current assets", totaled approximately \$111,000 at March 31, 2010. Deferred project costs are then recognized or amortized to an expense captioned, "cost of consulting services provided" (on the accompanying Statement of Operations), when the revenue is to be recognized or when the project is completed.

6. ACCOUNTS PAYABLE AND ACCRUED EXPENSES

Accounts payable and accrued expenses consisted of the following:

	March 31, 2010	December 31, 2009
Trade Payables	\$ 99,048	\$ 296,120
Accrued Expenses	1,014,267	928,054
Accrued Payroll	462,403	938,047
	<u>\$ 1,575,718</u>	<u>\$ 2,162,221</u>

7. STOCKHOLDERS' EQUITY

All common stock shares and share prices reflected in the financial statements, hereto, and in the discussion below reflect the effect of the 1-for-30 stock reverse stock split on September 29, 2009.

Total common stock outstanding at March 31, 2010 and December 31, 2009 was 10,168,412. At March 31, 2010, there were 135,318 shares reserved for future issuance and 1,899,691 stock options outstanding, all totaling 12,203,421 of total stock and stock equivalents outstanding at March 31, 2010.

a) Stock-based Compensation

We have a stock-based compensation plan to reward for services rendered by officers, directors, employees and consultants. On July 17, 2006, we amended this stock plan. We have reserved 2,500,000 shares of common stock of our unissued share capital for the stock plan. Other limitations are as follows:

- (i) No more than an aggregate of 1,250,000 shares can be granted for the purchase of restricted common shares during the term of the stock plan;

Lightbridge Corporation
Notes to Unaudited Condensed Consolidated Financial Statements
For the Three Months Ended March 31, 2010 and 2009

- (ii) The maximum number of shares of common stock with respect to which options may be granted to any one person during any fiscal year may not exceed 266,667 shares; and
- (iii) The maximum number of restricted shares that may be granted to any one person during any fiscal year may not exceed 166,667 common shares.

Total stock options outstanding at March 31, 2010 were 1,899,691 of which 1,336,943 of these options were vested at March 31, 2010. Stock option expense was approximately \$728,000 and approximately \$1,210,000 for the three months ended March 31, 2010 and 2009, respectively.

Stock option transactions to the employees, directors, advisory board members and consultants are summarized as follows for the three months ended March 31, 2010:

Stock Options Outstanding	2010
Beginning of the year	1,785,204
Granted	114,487
Exercised	
Forfeited	
Expired	
End of period	1,899,691
Options exercisable	1,336,943

The above table includes options issued as of March 31, 2010 as follows:

- i). A total of 608,938 non-qualified 5-10 year options have been issued, and are outstanding, to advisory board members at exercise prices of \$4.50 to \$19.20 per share.
- ii). A total of 1,228,796 non-qualified 5-10 year options have been issued, and are outstanding, to our directors, officers and employees at exercise prices of \$4.68 to \$23.85 per share. From this total, 750,623 options are outstanding to the Chief Executive Officer who is also a director, with remaining contractual lives of 0.94–10 years. All other options issued have a remaining contractual life ranging from 0.3 years to 10 years.
- iii). A total of 61,957 non-qualified 5-10 year options have been issued, and are outstanding, to our consultants at exercise prices of \$6.30 to \$15.30 per share.

The following table provides certain information with respect to the above-referenced stock options that are outstanding and exercisable at March 31, 2010:

Exercise Prices	Stock Options Outstanding		Stock Options Vested		
	Weighted Average Remaining Contractual Life - Years	Number of Awards	Number of Awards		Weighted Average Exercise Price
\$4.50 - \$8.70	4.58	913,484	417,412	\$	6.04
\$9.00 - \$12.90	5.54	185,674	156,035	\$	10.46
\$13.20-\$18.90	4.49	493,865	456,828	\$	13.99
\$19.20-\$23.85	5.40	306,668	306,668	\$	22.84
Total	4.85	1,899,691	1,336,943	\$	13.12

Lightbridge Corporation
Notes to Unaudited Condensed Consolidated Financial Statements
For the Three Months Ended March 31, 2010 and 2009

The aggregate intrinsic value of stock options outstanding at March 31, 2010 was \$1,891,515 of which \$887,188 related to vested awards. Intrinsic value is calculated based on the difference between the exercise price of the underlying awards and the quoted price of our common stock as of the reporting date (\$8.15 per share as of the close on March 31, 2010).

Assumptions used in the Black Scholes option-pricing model for the three months ended March 31, 2010 and 2009 were as follows:

	Three months ended	
	<u>3/31/2010</u>	<u>3/31/2009</u>
Average risk-free interest rate	3.73%	2.56%
Average expected life	10	10
Expected volatility	192.16%	97.62%
Expected dividends	0%	0%

Stock-based compensation expense includes the expense related to (1) grants of stock options, (2) grants of restricted stock, and (3) stock issued as consideration for some of the services provided by our directors and strategic advisory council members. We record these director stock-based compensation expenses and advisory council stock-based compensation expenses in the caption with all of our other general and administrative expenses. Grants of stock options and restricted stock are awarded to our employees, directors, consultants and board members, and we recognize the fair market value of these awards ratably as they are earned. The expense related to payments in stock for services is recognized as the services are provided.

During the three months ended March 31 2010 and 2009, approximately \$859,000 and approximately \$1,273,000 respectively, was recorded as total stock-based compensation.

The total fair market value of restricted stock awards is recorded as deferred stock compensation (a component of equity, which is presented in the Balance Sheet), as grants are awarded. Deferred stock compensation is amortized as stock-based compensation expense is recognized, or grants are forfeited. On March 31, 2010 and December 31, 2009, the balance carried in the deferred stock compensation account was approximately \$721,000 and approximately \$456,000 respectively. During the three months ended March 31, 2010, we have amortized approximately \$96,000 as stock-based compensation expense. We have recorded deferred stock compensation related to new grants of restricted stock in the amount of approximately \$361,000.

b). Warrants

There are no warrants outstanding as of March 31, 2010.

c). Common Stock reserved for Future Issuance

Common stock reserved for future issuance consists of

	Shares of Common Stock	Amount
Stock-based compensation	135,318	\$ 1,134,264

Lightbridge Corporation
Notes to Unaudited Condensed Consolidated Financial Statements
For the Three Months Ended March 31, 2010 and 2009

8. INCOME TAXES

Our tax provision for interim periods is determined using an estimate of our annual effective tax rate adjusted for discrete items, if any, that are taken into account in the relevant period. Each quarter we update our estimate of the annual effective tax rate, and if our estimated tax rate changes we make a cumulative adjustment. The 2010 and 2009 annual effective tax rate is estimated to be at a combined 40% for the U.S. federal and states statutory tax rates.

As of March 31, 2010 and December 31, 2009, there were no tax contingencies recorded.

Deferred income taxes reflect the net tax effects of temporary differences between the carrying amounts of assets and liabilities recognized for financial reporting and the amounts recognized for income tax purposes. The significant components of deferred tax assets (at a 40% effective tax rate) as of March 31, 2010 and December 31, 2009 respectively, are as follows:

Deferred Tax Assets	Total Amount		Deferred Tax Asset Amount	
	2010	2009	2010	2009
Capitalized start up costs	\$ 7,125,807	\$ 7,125,807	\$ 2,850,323	\$ 2,850,323
Stock-based compensation	18,788,883	17,929,307	7,515,553	7,171,723
Net operating loss carryforward	16,780,614	15,956,432	6,712,246	6,382,573
Less: valuation allowance	(42,695,304)	(41,011,546)	(17,078,122)	(16,404,619)
	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

We have net operating loss carryforwards for federal and state tax purposes of approximately \$17 million that is available to offset future taxable income. For financial reporting purposes, no deferred tax asset was recognized because management's expectation is that it is more likely than not that substantially all of the net operating losses at December 31, 2009 are expected to expire unused. As a result, the amount of the deferred tax assets considered realizable was reduced 100% by a valuation allowance. We have no other deferred tax assets or liabilities. The change in the valuation allowance was approximately \$674,000 and \$509,000 for the three months ended March 31, 2010 and 2009, respectively. Many of our operating expenses in the 2007 and 2006 tax years were classified under the internal revenue code as capitalized start-up costs which were not deductible for tax purposes in those tax years, but are now amortized as start-up costs in 2010 and 2009.

We filed a consolidated tax return with our subsidiaries.

In 2009, we prepaid federal and state income taxes in the amount of \$266,000 for estimates for 2008 corporate taxes. We received this amount back from the Internal Revenue Service and State taxing authorities in the fourth quarter of 2009.

9. RESEARCH AGREEMENT

Effective on August 21, 2009, TPI entered into an agreement for ampoule irradiation testing, or the AIT Agreement, with Kurchatov Institute. Under the AIT Agreement, TPI agreed to compensate Kurchatov for irradiation testing of TPI's proprietary nuclear fuel designs conducted in 2008 and part of 2009. Pursuant to the AIT Agreement, TPI is obligated to pay to Kurchatov a total of \$400,000, and Kurchatov is obligated to transfer to TPI the worldwide rights in all of the test data generated in the course of the irradiation testing of TPI's proprietary nuclear fuel designs in 2008 and part of 2009, and Kurchatov agrees not to use, in any manner, the work product associated with such testing or exercise any rights associated therewith without the written consent of TPI. Further, Kurchatov is obligated to provide to TPI and its affiliates specified information and documentation for audit purposes and to obtain any and all permits from Russian governmental entities which may be required in order for Kurchatov to perform under the AIT Agreement. To-date, a total of \$35,000 has already been paid to Kurchatov under the AIT Agreement.

Lightbridge Corporation
Notes to Unaudited Condensed Consolidated Financial Statements
For the Three Months Ended March 31, 2010 and 2009

In October 2009 we entered into an umbrella agreement, or the SOSNY Agreement, with Russian Limited Liability Research and Development Company, or SOSNY. SOSNY will serve as our prime contractor in Russia to manage the research and development activities related to the lead test assembly, or LTA, program for Russian designed VVER-1000 reactors. SOSNY is a leading Russian commercial nuclear entity specializing in front-end and back-end nuclear fuel cycle management and logistics services. Specific work will be carried out under individual task orders to be issued under the SOSNY Agreement. The scope, deliverables, and costs are to be agreed between the parties for each individual task order. As of the date hereof, no task orders have been issued.

In addition to the above agreements, there are consulting agreements with several consultants working on various projects for the Company, which total approximately \$5,000 per month.

10. COMMITMENTS AND CONTINGENCIES

We have employment agreements with our executive officers and some consultants, the terms of which expire at various times. Such agreements provide for minimum compensation levels, as well as incentive bonuses that are payable if specified management goals are attained. Under each of the agreements, in the event the officer's employment is terminated (other than voluntarily by the officer or by us for cause, or upon the death of the officer), we, if all provisions of the employment agreements are met, are committed to pay certain benefits, including specified monthly severance.

We entered into an agreement to lease new office space under the terms of a sublease with a term of 65 months commencing August 1, 2008. Under the terms of the sublease, the lease payments are inclusive of pass-through costs, which include real estate taxes and standard operating expenses. We paid the security deposit related to this sublease agreement in the amount of \$120,486. We pay monthly rental fees in the amount of \$40,162 in the first year of the sublease agreement, and payments increase by a factor of 4% each year thereafter in addition to increases in the pass-through of costs. We may terminate this agreement by providing 60 days notice to the sublessor. The monthly straight-line rental expense from August 1, 2008 to December 1, 2013 is \$45,189. As a result of the straight-line rent calculation generated by the one free rent period and rent escalation, we have a deferred rent credit of \$49,360 at March 31, 2010 and \$55,807 at December 31, 2009.

Future estimated rental payments under our operating leases are as follows:

	Total
Year ending - December 31, 2010	536,467
Year ending - December 31, 2011	564,109
Year ending - December 31, 2012	586,136
Year ending - December 31, 2013	609,016
Total minimum lease payments	<u>\$ 2,857,368</u>

Lightbridge Corporation
Notes to Unaudited Condensed Consolidated Financial Statements
For the Three Months Ended March 31, 2010 and 2009

11. SUBSEQUENT EVENTS

Subsequent Events (Included in ASC 855 “Subsequent Events”, previously SFAS No. 165). SFAS No.165, “Subsequent Events” establishes accounting and disclosure requirements for subsequent events. SFAS 165 details the period after the balance sheet date during which we should evaluate events or transactions that occur for potential recognition or disclosure in the financial statements, the circumstances under which we should recognize events or transactions occurring after the balance sheet date in its financial statements and the required disclosures for such events. We adopted this statement effective June 15, 2009 and have evaluated all subsequent events through the filing date with the SEC.

FORWARD-LOOKING STATEMENTS

This Quarterly Report on Form 10-Q contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the “Securities Act”) and Section 21E of the Securities Exchange Act of 1934, as amended (the “Exchange Act”). The words “believe,” “expect,” “anticipate,” “project,” “target,” “optimistic,” “intend,” “aim,” “will” or similar expressions are intended to identify forward-looking statements. Such statements include, among others, those concerning our expected financial performance and strategic and operational plans, as well as all assumptions, expectations, predictions, intentions or beliefs about future events. These statements are based on the beliefs of our management as well as assumptions made by and information currently available to us and reflect our current view concerning future events. As such, they are subject to risks and uncertainties that could cause our results to differ materially from those expressed or implied by such forward-looking statements. Such risks and uncertainties include, among many others: our significant operating losses; our limited operating history; uncertainty of capital resources; the speculative nature of our business; our ability to successfully implement new strategies; present and possible future governmental regulations; operating hazards; competition; the loss of key personnel; any of the factors in the “Risk Factors” section of the Company’s Annual Report on Form 10-K; other risks identified in this Report; and any statements of assumptions underlying any of the foregoing. You should also carefully review other reports that we file with the SEC. The Company assumes no obligation and does not intend to update these forward-looking statements, except as required by law.

All statements other than statements of historical fact are statements that could be deemed forward-looking statements. The Company assumes no obligation and does not intend to update these forward-looking statements, except as required by law. When used in this report, the terms “Lightbridge”, “Company”, “we”, “our”, and “us” refer to Lightbridge Corporation (a Nevada corporation) and its wholly-owned subsidiaries Thorium Power, Inc. (a Delaware corporation) and Lightbridge International Holding, LLC (a Delaware limited liability company).

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

General Overview

We are a provider of nuclear energy consulting and strategic advisory services and a developer of proprietary nuclear fuel designs, each of which will be described in the following sections.

Consulting and Strategic Advisory Services Business Segment

Substantially all of our revenues are derived from this business segment, which provides nuclear consulting services to entities within the United Arab Emirates (“UAE”), as described in Item 1 of Part 1, “Financial Statements – Note 3 – Consulting Revenues.” Going forward, we may enter into additional consulting contracts to provide support and assistance to other commercial and governmental entities that are looking to develop and expand their nuclear power industry capabilities and infrastructure. In future consulting engagements, we expect that revenues may be derived either from fixed professional fee agreements or from fees generated through hourly rates, billed on a time and expense basis.

Our most significant expense related to our consulting and strategic advisory services business segment is the cost of consulting services provided, which relates to costs associated with generating consulting revenues, and includes employee payroll expenses and benefits, contractor compensation, vendor compensation, marketing expenses, direct costs of training and recruiting the consulting staff and other costs. As revenues are generated from services performed by our permanent staff and contractors, our success depends on attracting, retaining and motivating talented, creative and experienced professionals at all levels in our business.

nology Business Segment

To date, our operations have been devoted primarily to the development and demonstration of our nuclear fuel designs, developing strategic relationships within and outside of the nuclear power industry, securing political and financial support from the U.S. and Russian governments, and the filing of patent applications (including related administrative functions).

On August 3, 2009, we entered into two agreements with AREVA regarding our fuel technology business. The first was an Agreement for Consulting Services, or Consulting Agreement, pursuant to which we will conduct the first phase of an investigation of specific topics of thorium fuel cycles in AREVA's light water reactors, or LWRs. This first phase will focus on providing initial general results relating to evolutionary approaches to the use of thorium in AREVA's LWRs, specifically within AREVA's Evolutionary Power Reactor. We will receive total fees of \$550,000 for services provided pursuant to the Consulting Agreement. The anticipated second phase and further phases of the collaboration, including a detailed study of evolutionary and longer-term thorium fuel concepts, will be conducted in accordance with additional collaborative agreements based upon the results of the first phase. The second agreement we signed with AREVA was a five-year Collaborative Framework Agreement, pursuant to which we will establish a joint steering committee with AREVA, which will be responsible for reviewing project proposals, will be empowered to make scientific and/or technical decisions and will allocate the resources required to implement future collaborative projects between us and AREVA.

To date, we have only had minimal direct revenues from our research and development activities regarding our proprietary nuclear fuel technology, and we do not expect to generate licensing revenues from this business for several years, until our fuel designs can be fully tested and demonstrated and we obtain the proper approvals to use our thorium-based nuclear fuel designs in nuclear reactors. We believe we can leverage our general nuclear technology, business and regulatory expertise as well as industry relationships, to optimize our technology development plans and to support our consulting and strategic advisory services with the highest levels of expertise and experience in the nuclear power industry. Additionally, our knowledge of and credibility in addressing proliferation related issues that we have developed over many years, benefit our consulting and strategic advisory services business. Our advisory services include a focus on non-proliferation, safety and operational transparency of nuclear power programs.

Material Opportunities and Challenges

ulting and Strategic Advisory Services

Our emergence in the field of nuclear energy consulting is in direct response to the need for independent assessments and highly qualified and integrated strategic advisory services for countries looking to establish nuclear energy programs, while still providing a blueprint for safe, clean, efficient and cost-effective non-proliferative nuclear power. We offer full-scope planning and strategic advisory services for new and existing markets and offer such services without a bias towards or against any reactor vendor or fuel technology. We believe that there are significant opportunities available to provide services to governments that are dedicated to non-proliferative, safe, and transparent nuclear programs.

Our major challenge in pursuing our business is that the decision making process for nuclear power programs typically involves careful consideration by many parties and therefore requires significant time. Also, many of the potential clients that could benefit from our services are in regions of the world where tensions surrounding nuclear energy are high, or in countries where public opinion plays an important role. Domestic and international political pressure may hinder our efforts to provide nuclear energy services, regardless of our focus on non-proliferative nuclear power.

Proprietary Nuclear Fuel Technology Development

We believe that a major opportunity for us is the possibility that our thorium-based fuel designs, which are currently in the research and development stage, will be used in the manufacturing of nuclear fuel utilized in many existing light water nuclear reactors in the future. Light water reactors are the dominant reactor types currently in use in the world, and fuels for such reactors constitute the majority of the commercial market for nuclear fuel. Currently, we have three types, or variants, of thorium-based fuel designs in various stages of development. The first is designed to provide reactor owner/operators with an economically viable alternative fuel that will not generate weapons-usable plutonium in the spent fuel. The second is designed to dispose of reactor-grade plutonium that has been extracted from spent fuel from commercial reactors and stockpiled in Russia, Western Europe, the U.S., Japan, and other countries. The third is designed to dispose of weapons-grade plutonium that is stockpiled in Russia and the United States. All three of these fuel variants are expected to have additional benefits, including reduced volume and reduced long-term radio-toxicity of spent fuel for the same amount of electricity generated, as compared with the uranium fuels that are currently used in light water reactors. Presently, our focus is on the first design.

From our U.S. and Moscow offices, we are working with Russian nuclear research institutes and Russian nuclear regulatory authorities, to have one or more of the fuel designs demonstrated in a Russian VVER-1000 reactor within the next three years, if we are able to obtain necessary support and enter into agreements with the Russian government and Russian research institutes. We believe that it will be necessary to enter into commercial arrangements with one or more major nuclear fuel fabricators, which in many cases are also nuclear fuel vendors, as a prerequisite to having our fuel designs widely deployed in global markets.

Our nuclear fuel designs have never been demonstrated in a full-size commercial reactor. Our planned demonstration of the fuels in a VVER-1000 reactor in Russia would provide operating experience that is critical to reactor owners and regulatory authorities. We believe that once the fuels have been demonstrated in the VVER-1000 reactor, this can help convince other light water reactor operators around the world to accept our thorium-based fuel designs.

We have also been conducting research and development related to a variant of these nuclear fuel designs for use in existing and future western pressurized water reactors.

We believe that our greatest challenge will be acceptance of these fuel designs by nuclear power plant operators, which have in the past been hesitant to be the first to use a new type of nuclear fuel. In addition, our fuel designs would require regulatory approval by relevant nuclear regulatory authorities, such as the Nuclear Regulatory Commission in the United States or its equivalent agencies in other countries, before they can be used in commercial reactors. The regulatory review process, which is outside of our control, may take longer than expected and may delay a rollout of the fuel designs into the market. We believe that demonstration of one of the Company's fuel designs in a commercial nuclear reactor would make deployment of the other designs easier, due to the many similarities that exist among our fuel designs.

We have been building relationships with companies and organizations in the nuclear power industry for several years. We will attempt to cause some or all of these companies and organizations to work in a consortium or a joint venture type arrangement with us in the future. However, we may not be able to develop any such consortium or arrangement in the near term or at all. The companies that we have identified for potential relationships have existing contracts with nuclear power plant owner/operators, under which they supply nuclear fuel branded with their name to such nuclear power plants. We will attempt to cause these nuclear fuel vending companies to provide their nuclear power plant operating customers with fuels that are designed with our technology. To do so, we will need to enter into agreements with one or more of these companies. Without such arrangements it would be more difficult for us to license our fuel designs because, in addition to the reputations, guarantees, services, and other benefits that these nuclear fuel vendors provide when selling fuel to nuclear power plant operators, they also often have multi-year fuel supply contracts with the reactor operators. These multi-year fuel supply contracts act as a barrier to entry into the market, such that it can be very difficult to penetrate some markets for nuclear fuel without working with a nuclear fuel vendor that can support long term contracts. If we are successful in demonstrating our fuel designs in Russia and in continuing to build relationships with nuclear fuel vendors, we believe it may lead to one or more of these major companies in the nuclear power industry working with us in producing and selling our nuclear fuel designs to commercial reactor operators and governments.

Business Segments and Periods Presented

We have provided a discussion of our results of operations on a consolidated basis and have also provided certain detailed segment information for each of our business segments below for the three months ended March 31, 2010 and 2009, in order to provide a meaningful discussion of our business segments. We have organized our operations into two principal segments: Consulting and Strategic Advisory Services and Fuel Technology. We present our segment information along the same lines that our chief executives review our operating results in assessing performance and allocating resources.

BUSINESS SEGMENT RESULTS – THREE MONTHS ENDED MARCH 31, 2010 AND 2009

	Consulting		Fuel Technology		Corporate and Eliminations		Total	
	2010	2009	2010	2009	2010	2009	2010	2009
Revenue	2,294,132	2,944,053	105,000	-	-	-	2,399,132	2,944,053
Segment Profit (Loss) – Pre Tax	612,816	1,195,535	(134,449)	(453,805)	(2,162,125)	(2,264,191)	(1,683,758)	(1,522,461)
Total Assets	2,650,113	2,297,070	224,432	309,274	3,553,459	4,529,694	6,428,004	7,136,038
Property Additions	-	-	-	-	-	-	-	-
Interest Expense	-	-	-	-	-	-	-	-
Depreciation	-	-	201	-	6,750	6,004	6,951	6,004

Consulting and Strategic Advisory Services Business

At the present time, substantially all of our revenue for the three months ended March 31, 2010, is derived from our consulting and strategic advisory services business segment by offering services to governments outside the U.S. planning to create or expand electricity generation capabilities using nuclear power plants benefiting from thorium-based or other nuclear fuels. The fee type and structure that we offer for each client engagement is dependent on a number of variables, including the complexity, the level of the opportunity for us to improve the client's electricity generation capabilities using nuclear power plants, and other factors. Substantially all of the Company's revenues totaling approximately \$2.4 million for the three months ended March 31, 2010, have been derived from our continuing work under the August 1, 2008 agreements and follow-on agreements in 2009, with the Executive Affairs Authority ("EAA") of Abu Dhabi, and with the related entities, the Emirates Nuclear Energy Corporation ("ENEC") and the Federal Authority for Nuclear Regulation ("FANR") as described in Item 1, Part 1, "Financial Statements – Note 1 - Nature of Operations and Basis of Presentation." We entered into next phase follow-on agreements in March 2009 and July 2009 to continue our consulting services under the ENEC and FANR agreements for 2009. Revenue was recognized on a time and expense basis for the three months ended March 31, 2010 and 2009.

The cost of consulting services provided was approximately \$1.5 million and \$1.7 million for the three months ended March 31, 2010 and 2009, respectively. These amounts consisted primarily of direct labor consulting expenses and other labor support costs incurred, as mentioned in the general overview section above. Some indirect corporate overhead expenses incurred were allocated to the consulting and strategic advisory services business segment, and are included above in the business segment information chart as part of Segment Profit (Loss) – Pre Tax.

Technology Business

On August 3, 2009, we entered into a consulting agreement with AREVA for \$550,000 as discussed above. For the three months ended March 31, 2010, our total revenue from AREVA was approximately \$105,000 and since the inception of the agreement, our total revenue has been approximately \$364,000. We are under contract to complete six tasks under Phase 1 of the consulting agreement. We are executing work on the remaining tasks as planned.

Over the next 12 to 15 months we expect to incur up to \$5 – \$6 million in research and development expenses related to the development of our proprietary nuclear fuel designs. We expect to incur these expenses after we have entered into formal agreements with Russian nuclear entities that will grant us licensing and other rights to use such technologies or intellectual property that would be developed by the Russian entities. Any such agreement may require formal review and approval by the Russian State Atomic Energy Corporation (RosAtom). We spent approximately \$0.2 million for research and development during the three months ended March 31, 2010, and a cumulative amount from the date of our inception (January 8, 1992, date of inception of Thorium Power Inc.) to March 31, 2010, of approximately \$8.1 million. As of May 1, 2008, we established an office in Moscow and leased office space to support research and development activities in Russia, and, in July 2009, we hired several employees (former consultants) to work on our research and development projects in Russia.

Over the next several years, we expect that our research and development activities will increase and will be primarily focused on testing and demonstration of our fuel technology for VVER-1000 reactors. The main objective of this research and development phase is to prepare for full-scale demonstration of our nuclear fuel technology in an operating commercial VVER-1000 reactor in Russia. Key research and development activities will include: (1) Scaling up the fuel fabrication process to full length (10 feet) rods used in commercial VVER-1000 reactors, (2) Validating thermal hydraulic performance of the full size (10 feet) seed and blanket fuel assembly, (3) Performing post-irradiation examination of fuel samples that have been irradiated in ampoules in the IR-8 research reactor and conducting loop irradiation testing, and (4) Obtaining final regulatory approvals for insertion of fuel in VVER-1000 commercial reactors. As this research and development program relates to commercial applications of our fuel technology, and retaining ownership or control over as much key intellectual property as we possibly can is critical to the long-term success of our licensing business model, our plan is to fully fund these research and development activities ourselves. At the same time, we do not currently plan to fund further development, testing and demonstration of our thorium/weapons-grade plutonium disposing fuel, which can only be used in the U.S.-Russia government-to-government weapons-grade plutonium disposition program and has no commercial applications. Hence, funding for any future research and development activities on this fuel design would have to be provided by the U.S. government or other stakeholders.

Financial Status

At March 31, 2010, our total assets were approximately \$6.4 million and total liabilities were approximately \$1.6 million. From the results of operations including our consulting business segment, our working capital surplus at December 31, 2009 was approximately \$4.5 million, and as of March 31, 2010, our working capital surplus was approximately \$4.4 million. Accounts payable and accrued liabilities balance as of March 31, 2010 equaled approximately \$1.6 million, a decrease of approximately \$0.6 million from the total accounts payable and accrued expenses reported at December 31, 2009.

Management expects that our current cash position, as well as the revenue and profits that are expected to be earned from our follow-on agreements from the two consulting agreements entered into in August 2008, and the AREVA agreement, will meet our foreseeable working capital needs for our current operations until sometime in 2011. We anticipate entering into other consulting and technology agreements with our existing and new clients that may generate additional revenues in 2010 and beyond. In support of our longer-term business plan for our technology business segment, we will need to raise additional capital in the near term by way of an offering of equity securities, an offering of debt securities, or by obtaining financing through a bank or other entity to finance our future overhead and research and development expenditures. We will also need to raise capital to support our technology business if the consulting and strategic advisory services business becomes non-sustaining. Our current average monthly projected working capital requirements for the Company, excluding the \$5 – \$6 million of research and development expenses we expect to incur in Russia over the next 12 to 15 months, is approximately \$1 million per month. A financing will need to take place sometime in 2010 to ensure that we have the necessary working capital to continue our planned business operations through 2010 and beyond. It is important to note that financing may not be available or we may not be able to obtain that financing on terms acceptable to us. If additional funds are raised through the issuance of equity securities, there may be a significant dilution in the value of our outstanding common stock. To support this financing activity, we are exploring transaction opportunities that could simultaneously create strategic industry and market alliances for the Company to support our operations in 2010 and beyond.

Recent Events

None.

Consolidated Results of Operations

Comparison of the Three Months Ended March 31, 2010 to March 31, 2009

The following table summarizes certain aspects of the Company's consolidated results of operations for the three months ended March 31, 2010 compared to the three months ended March 31, 2009.

	Three Months Ended 31-Mar		(Decrease) Change \$	(Decrease) Change %
	2010	2009		
Consulting Revenues	\$ 2,399,132	2,944,053	\$ (544,921)%	-19%
Cost of services provided				
Consulting expenses	\$ 1,505,490	1,748,518	\$ (243,028)%	-14%
% of total revenues	63%	59%		
Gross profit	\$ 893,642	\$ 1,195,535	\$ (301,893)%	-25%
% of total revenues	37%	41%		
Operating Expenses				
General and administrative	\$ 2,372,263	\$ 2,262,681	\$ 109,582%	5%
% of total revenues	99%	77%		
Research and development expenses	\$ 204,743	\$ 453,805	\$ (249,062)%	-55%
% of total revenues	9%	15%		
Total Operating Loss	\$ (1,683,364)	\$ (1,520,951)	\$ 162,413%	11%
% of total revenues	-70%	-52%		
Other Income and (Expenses)				
Interest income/expense, other	\$ (394)	\$ (1,510)	\$ (1,116)%	74%
% of total revenues	0%	0%		
Net loss - before income taxes	\$ (1,683,758)	\$ (1,522,461)	\$ 161,297%	11%
% of total revenues	-70%	-52%		

Revenues

We entered into next phase follow-on agreements in March 2009 and July 2009 to continue our consulting services under the ENEC and FANR agreements. Revenue earned under both of these agreements for the three months ended March 31, 2010 and 2009 and under the August 1, 2008 agreements with ENEC and FANR were recognized on a time and expense basis.

The \$2.4 million of revenue for the three months ended March 31, 2010 was generated primarily from our consulting and strategic advisory services business segment. The 19 percent decrease in revenue for the three months ended March 31, 2010 compared to the same period in 2009 was primarily due to the uneven nature of our consulting projects with ENEC and FANR which are being performed pursuant to ongoing requests to work on specific projects on a time and expense basis as needed. Notwithstanding the normal variations in billable hours worked under these contracts, in the third quarter of 2009 we re-negotiated some of our billing rates to further enhance and maintain the competitiveness of our advisory services which also resulted in a reduction of our revenue for the three months ended March 31, 2010 compared to the same three month period in 2009. The future revenue to be earned and recognized under both the ENEC and FANR agreements will depend upon agreed upon work plans which can differ from the revenue amounts initially planned to be earned under these agreements

For the three months ended March 31, 2010, we earned approximately \$105,000 of fees from our new consulting agreement with AREVA mentioned above. We will receive total fees of \$550,000 for services provided pursuant to the Consulting Agreement. The anticipated second phase and further phases of the collaboration, including a detailed study of evolutionary and longer-term thorium fuel concepts, will be conducted in accordance with additional collaborative agreements based upon the results of the first phase.

Cost of Services Provided

The decrease in the cost of services for the three months ended March 31, 2010 compared with the same period in 2009 is due to the decrease in billable hours for the ENEC and FANR projects. These expenses related to the consulting, professional, administrative and other costs allocated to the consulting projects, which were incurred to perform and support the work done for our consulting projects with ENEC and FANR. The billing rates to us from our consultants who provide services under our consulting contracts have primarily remained unchanged in 2010 and 2009.

Gross Profit

Gross profit margin of 37% for the three months ended March 31, 2010 is lower compared to the same period in 2009. Our gross margins from our advisory contracts with ENEC and FANR decreased due to the reduction that occurred in the third quarter of 2009 in some of our hourly consultants billing rates to the ENEC and FANR.

General and Administrative Expenses

There was a 5 % increase in the general and administrative expenses for the three months ended March 31, 2010, as compared to the same period in 2009. This increase was primarily due to an increase in (1) employee wages and payroll related benefits of approximately \$118,000, (2) costs for accounting and audit fees of approximately \$39,000, incurred to strengthen our internal controls and for Sarbanes Oxley compliance, (3) cost of our Nasdaq listing dues of \$33,000, (4) insurance costs of approximately \$33,000, (5) consulting and other professional fees of approximately \$70,000 and (6) other general overhead costs of approximately \$184,000. The increases in these above expenses were partially offset by a decrease in stock-based compensation of approximately \$367,000. The decrease in stock-based compensation for the three months ended March 31, 2010 as compared to the same period in 2009, is due to certain long-term incentive stock options and stock that were granted in prior years under our stock plan to executives, directors, advisors and employees, which became fully vested in 2009. In the future, stock-based compensation may be offered to attract new employees in 2010, due to our expansion to meet the demands of contracts with our current customers, and anticipated future business with new customers. We expect our general and administrative expenses may increase in future periods due to the expansion of our consulting and strategic advisory services business segment and the hiring of new officers, employees and consultants to help further develop and support our consulting and strategic advisory services and technology business segments.

Research and Development Costs

The decrease in research and development costs for the three months ended March 31, 2010 compared to the same period in 2009 is due to a temporary decrease in this quarter in our research and development activities in Russia. We expect that our research and development expenses will increase in the future periods. Over the next 12 to 15 months we expect to incur approximately up to \$5 – \$6 million in research and development expenses related to the development of our proprietary nuclear fuel designs.

Other Income and Expense

The decrease in other income and expense for the three months ended March 31, 2010 compared to the same period in 2009 is due to the decrease in interest income earned on our idle cash.

Liquidity and Capital Resources

As of March 31, 2010, we had a total of cash and cash equivalents of \$2 million. The following table provides detailed information about our net cash flow for all financial statements periods presented in this report.

Cash Flow Three Months Ended March 31,		
	2010	2009
Net cash provided by (used in) operating activities	\$ (1,028,657)	\$ (1,188,481)
Net cash used in investing activities	\$ 0	\$ (16,402)
Net cash provided by (used in) financing activities	\$ 0	\$ 0
Net cash inflow (outflow)	\$ (1,028,657)	\$ (1,204,883)

Operating Activities

Net cash used in our operating activities decreased by approximately \$160,000 for the three months ended March 31, 2010 as compared to the same period in 2009. This decrease in funds used by our operating activities was primarily due to an increase in our operating loss, which was due to a decrease in our revenue for the three months ended March 31, 2010, and a decrease in the payment of accounts payable and accrued liabilities. This decrease in funds used in our operating activities was partially offset by a decrease in the collections of our accounts receivable in 2010, in payment for our work in 2009 and 2010. The other changes to the operating activities cash flows are mentioned above in the Consolidated Results of Operations section of this management discussion and analysis, regarding our operating expenses.

Investing Activities

Net cash used in our investing activities for the three months ended March 31, 2010 as compared to the same period in 2009, decreased by approximately \$16,000, which was due to the decrease in patent costs in 2010 for the filing of patent applications. These patent applications are filed for the new developments resulting from our research and development activities in our fuel technology business segment. We anticipate these patent costs to increase in the future periods.

Financing Activities

There was no net cash provided by or used in our financing activities for the three months ended March 31, 2010 and 2009.

Management expects that the proceeds from our consulting agreements in 2010, as well as the expected proceeds that we will earn under the two consulting agreements entered into in August 2008 and the follow-on agreements with ENEC and FANR, and the AREVA agreement, will meet our foreseeable working capital needs for our current operations until sometime in 2011. However, we will need to raise additional capital in the near term by way of an offering of equity securities, an offering of debt securities, or by obtaining financing through a bank or other entity to support our longer term business plan. We will also need to raise capital in the near term to support our overhead operation if the consulting and strategic advisory services business becomes non-sustaining. If we need to obtain additional financing, that financing may not be available or we may not be able to obtain that financing on terms acceptable to us. If additional funds are raised through the issuance of equity securities, there may be a significant dilution in the value of our outstanding common stock.

Off Balance Sheet Arrangements

We do not have any off balance sheet arrangements that have or are reasonably likely to have a current or future effect on our financial condition, changes in financial condition, revenues or expenses, results of operations, liquidity or capital expenditures or capital resources that is material to an investor in our securities.

onality

Our business has not been subject to any material seasonal variations in operations, although this may change in the future.

Inflation

Our business, revenues and operating results have not been affected in any material way by inflation.

Critical Accounting Policies and Estimates

The SEC issued Financial Reporting Release No. 60, “Cautionary Advice Regarding Disclosure About Critical Accounting Policies” suggesting that companies provide additional disclosure and commentary on their most critical accounting policies. In Financial Reporting Release No. 60, the SEC has defined the most critical accounting policies as the ones that are most important to the portrayal of a company’s financial condition and operating results, and require management to make its most difficult and subjective judgments, often as a result of the need to make estimates of matters that are inherently uncertain. Based on this definition, we have identified the following significant policies as critical to the understanding of our financial statements.

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make a variety of estimates and assumptions that affect (i) the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities as of the date of the financial statements and (ii) the reported amounts of revenues and expenses during the reporting periods covered by the financial statements.

Our management expects to make judgments and estimates about the effect of matters that are inherently uncertain. As the number of variables and assumptions affecting the future resolution of the uncertainties increase, these judgments become even more subjective and complex. Although we believe that our estimates and assumptions are reasonable, actual results may differ significantly from these estimates. Changes in estimates and assumptions based upon actual results may have a material impact on our results of operation and/or financial condition. We have identified certain accounting policies that we believe are most important to the portrayal of our current financial condition and results of operations. Our significant accounting policies are disclosed in Note 2 to the Consolidated Financial Statements included in the Annual Report on Form 10-K filed with the Commission on March 16, 2010

Accounting for Stock Based Compensation, Stock Options and Warrants Granted to Employees and Non-employees

We adopted the FASB requirements for stock-based compensation, where all forms of share-based payments to employees, including employee stock options and employee stock purchase plans, are treated the same as any other form of compensation by recognizing the related cost in the statement of income.

Under these requirements, stock-based compensation expense is measured at the grant date based on the fair value of the award, and the expense is recognized ratably over the award’s vesting period. For all grants made, we recognize compensation cost under the straight-line method.

We measure the fair value of stock options on the date of grant using a Black-Scholes option-pricing model which requires the use of several estimates, including:

- the volatility of our stock price;
- the expected life of the option;
- risk free interest rates; and
- expected dividend yield.

Prior to the completion of our merger in October 2006, we had limited historical information on the price of our stock as well as employees' stock option exercise behavior for stock options issued prior to the merger. As a result, we could not rely on historical experience alone to develop assumptions for stock price volatility and the expected life of options. As such, our stock price volatility was estimated with reference to our historical stock price for the time period before the merger, from the date the announcement of the merger was made. We utilized the closing prices of our publicly-traded stock from the announcement date in January 2006 to determine our volatility and will continue to use our historical stock price closing prices to determine our volatility.

The expected life of options is based on internal studies of historical experience and projected exercise behavior. We estimate expected forfeitures of stock-based awards at the grant date and recognize compensation cost only for those awards expected to vest. The forfeiture assumption is ultimately adjusted to the actual forfeiture rate. Estimated forfeitures are reassessed in subsequent periods and may change based on new facts and circumstances. We utilize a risk-free interest rate, which is based on the yield of U.S. treasury securities with a maturity equal to the expected life of the options. We have not and do not expect to pay dividends on our common shares in the near term.

The options were valued using the Black-Scholes option pricing model. The assumptions used were as follows: volatility of 98% to 284%, a risk-free interest rate of 2.56% to 5.24%, dividend yield of 0% and an exercise term of two to ten years.

Income Taxes

We account for income taxes using the liability method in accordance with ASC 740, Accounting for Income Taxes, which requires the recognition of deferred tax assets or liabilities for the tax-effected temporary differences between the financial reporting and tax bases of our assets and liabilities and for net operating loss and tax credit carry forwards. The tax expense or benefit for unusual items, prior year tax exposure items or certain adjustments to valuation allowances are treated as discrete items in the interim period in which the events occur.

On January 1, 2007, we adopted ASC 740 for Accounting for Uncertainty in Income Taxes. ASC 740 addresses the determination of whether tax benefits claimed or expected to be claimed on a tax return should be recorded in the financial statements. Under ASC 740, we may recognize the tax benefit from an uncertain tax position only if it is more likely than not that the tax position will be sustained on examination by the taxing authorities, based on the technical merits of the position. As a result of the implementation ASC 740, we did not recognize any current tax liability for unrecognized tax benefits. We have a net operating loss carry-forward of approximately \$17 million against which we have taken a 100% valuation allowance, as of the date of these financial statements.

Contingent Liabilities

Liabilities for accrued expenses and loss contingencies arising from various claims, assessments, litigation, fines and penalties and other sources are recorded when it is probable that a liability has been incurred and the amount of the liability can be reasonably estimated. When facts and circumstances show that in a particular reporting period it is no longer probable that a contingent liability previously reported will not be paid, those accrued liabilities are adjusted in that period or are no longer recorded on the balance sheet.

Revenue Recognition from Consulting Contracts

We believe one of our critical accounting policies is revenue recognition from our consulting contracts. We are currently primarily deriving our revenue from fees by offering consulting and strategic advisory services to foreign commercial and government owned entities planning to create or expand electricity generation capabilities, using nuclear power plants. Our fee type and structure for each client engagement depend on a number of variables, including the size of the client, the complexity, the level of the opportunity for us to improve the client's electricity generation capabilities using nuclear power plants, and other factors.

We recognize revenue from the current two consulting agreements that we entered into with the EAA in August 2008 and the follow-on agreements in 2009, as time and expense contracts.

We recognize revenue associated with fixed-fee service contracts in accordance with the provisions of the contract which include client acceptance provisions. We do not recognize revenue until such time as the client has confirmed its acceptance. When a loss is anticipated on a contract, the full amount of the anticipated loss is recognized immediately. We are recognizing the revenue associated with the AREVA agreements as our client accepts specified deliverables under the contract.

We recognize revenue in accordance with SEC Staff Accounting Bulletin or SAB, No. 104, Revenue Recognition. We recognize revenue when all of the following conditions are met:

1. There is persuasive evidence of an arrangement;
2. The service has been provided to the customer;
3. The collection of the fees is reasonably assured; and
4. The amount of fees to be paid by the customer is fixed or determinable.

Intangibles

As presented on the accompanying balance sheets, we had patents with a net book value of approximately \$242,000 as of March 31, 2010 and December 31, 2009. There are many assumptions and estimates that may directly impact the results of impairment testing, including an estimate of future expected revenues, earnings and cash flows, and discount rates applied to such expected cash flows in order to estimate fair value. We have the ability to influence the outcome and ultimate results based on the assumptions and estimates we choose for testing. To mitigate undue influence, we set criteria that are reviewed and approved by various levels of management. The determination of whether or not intangible assets have become impaired involves a significant level of judgment in the assumptions. Changes in our strategy or market conditions could significantly impact these judgments and require adjustments to recorded amounts of intangible assets. We will amortize our patents when they are placed in service. Our patents were not placed into service as of March 31, 2010 and December 31, 2009.

Recent Accounting Pronouncements

See Item 1 of Part I, "Financial Statements — Note 1 — Accounting Policies — Recent Accounting Pronouncements."

ITEM 4T. CONTROLS AND PROCEDURES.

Disclosure Controls and Procedures

As required by Rule 13a-15 under the Exchange Act, we carried out an evaluation of the effectiveness of the design and operation of our disclosure controls and procedures, as of the end of the period covered by this report on Form 10-Q. This evaluation was carried out under the supervision and with the participation of our management, including our President and Chief Executive Officer, and our Chief Financial Officer. Based upon that evaluation, management concluded that our disclosure controls and procedures are effective to ensure that information required to be disclosed in the reports that it files or submits under the Exchange Act is accumulated and communicated to management (including the Chief Executive Officer and Chief Financial Officer) to allow timely decisions regarding required disclosure and that our disclosure controls and procedures are effective to give reasonable assurance that the information required to be disclosed by us in reports that we file under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the rules and forms of the SEC.

There were no changes in our internal control over financial reporting identified in connection with the evaluation performed that occurred during the period covered by this report that have materially affected or are reasonably likely to materially affect, our internal control over financial reporting.

Disclosure controls and procedures are controls and other procedures that are designed to ensure that information required to be disclosed in our reports filed or submitted under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the SEC's rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed in our reports filed under the Exchange Act is accumulated and communicated to management, including the Company's Chief Executive and acting Chief Financial Officer as appropriate, to allow timely decisions regarding required disclosure.

Internal Controls Over Financial Reporting

Section 404 of the Sarbanes-Oxley Act of 2002 requires that management document and test the Company's internal control over financial reporting and include in this Quarterly Report on Form 10-Q a report on management's assessment of the effectiveness of our internal control over financial reporting.

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Rule 13a-15(f) of the Exchange Act. Under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, we conducted an evaluation of the effectiveness of our internal control over financial reporting based upon the framework in Internal Control—Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO"). Based on that evaluation, our management concluded that our internal control over financial reporting is effective, as of March 31, 2010, and was effective during the entire quarter ended March 31, 2010.

PART II OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

From time to time, we may become involved in various lawsuits and legal proceedings which arise in the ordinary course of business. However, litigation is subject to inherent uncertainties, and an adverse result in these or other matters may arise from time to time that may harm our business. We are currently not aware of any such legal proceedings or claims that we believe will have a material adverse affect on our business, financial condition or operating results.

ITEM 1A. RISK FACTORS

In addition to the other information set forth in this report, you should carefully consider the factors discussed in Part I, "Item 1A. Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2009, which could materially affect our business, financial condition or future results. The risks described in our Annual Report on Form 10-K are not the only risks facing our Company. Additional risks and uncertainties not currently known to us or that we currently deem to be immaterial also may materially adversely affect our business, financial condition or future results.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES OR USE OF PROCEEDS

There were no unregistered sales of equity securities during the fiscal quarter ended March 31, 2010.

ITEM 3. DEFAULTS UPON SENIOR SECURITIES

There were no defaults upon senior securities during the fiscal quarter ended March 31, 2010.

ITEM 4. (REMOVED AND RESERVED)

ITEM 5. OTHER INFORMATION

Not applicable.

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>
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

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: May 13, 2010

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

<i>Exhibit Number</i>	<i>Description</i>
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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

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: May 13, 2010

/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: May 13, 2010

/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 March 31, 2010.

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 March 31, 2010.

This Certification is executed as of May 13, 2010.

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.
