

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549**

**FORM 10-K/A
(Amendment No. 1)**

(Mark One)

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

For the fiscal year ended December 31, 2006

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

For the transition period from ____ to ____

COMMISSION FILE NO. 0-26224

**INTEGRA LIFESCIENCES HOLDINGS
CORPORATION**

(EXACT NAME OF REGISTRANT AS SPECIFIED IN ITS CHARTER)

DELAWARE
(STATE OR OTHER JURISDICTION OF
INCORPORATION OR ORGANIZATION)

51-0317849
(I.R.S. EMPLOYER IDENTIFICATION NO.)

**311 ENTERPRISE DRIVE
PLAINSBORO, NEW JERSEY**
(ADDRESS OF PRINCIPAL EXECUTIVE OFFICES)

08536
(ZIP CODE)

REGISTRANT'S TELEPHONE NUMBER, INCLUDING AREA CODE: (609) 275-0500

SECURITIES REGISTERED PURSUANT TO SECTION 12(b) OF THE ACT:

Title of Each Class	Name of Exchange on Which Registered
Common Stock, Par Value \$.01 Per Share	The Nasdaq Stock Market LLC

SECURITIES REGISTERED PURSUANT TO SECTION 12(g) OF THE ACT: NONE

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Securities Exchange Act. Yes No

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 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 if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

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. (Check one):

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company
(Do not check if a 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

As of June 30, 2007, the aggregate market value of the registrant's common stock held by non-affiliates was approximately \$624.8 million based upon the closing sales price of the registrant's common stock on The Nasdaq Global Market on such date. The number of shares of the registrant's Common Stock outstanding as of May 13, 2008 was 27,307,058.

DOCUMENTS INCORPORATED BY REFERENCE: NONE



EXPLANATORY NOTE

Integra LifeSciences Holdings Corporation (the “Company”) is filing this amended Annual Report on Form 10-K/A for the fiscal year ended December 31, 2007 (the “Amendment”) solely to amend Part II, Item 9A (Controls and Procedures) to add one sentence expressly stating, under “Management’s Report on Internal Control over Financial Reporting,” that the Company’s internal control over financial reporting was not effective as of December 31, 2007 as a result of the material weaknesses identified. Other than this additional sentence, the text of Item 9A remains unchanged in all respects.

In accordance with Rule 12b-15 under the Securities Exchange Act of 1934, as amended, the Company has also filed with the Amendment under Part IV, Item 15 the certifications set forth in Exhibits 31.1, 31.2, 32.1, 32.2. No modification or update is otherwise made to any other disclosures or exhibits to the Annual Report on Form 10-K for the fiscal year ended December 31, 2007 (the “Original Filing”) originally filed on May 16, 2008 with the Securities and Exchange Commission (the “Commission”). Accordingly, this Amendment should be read in conjunction with the Company’s filings made with the Commission subsequent to the date of the Original Filing.

PART II

ITEM 9A. CONTROLS AND PROCEDURES

Evaluation of Disclosure Controls and Procedures

We maintain disclosure controls and procedures that are designed to ensure that information required to be disclosed in our Exchange Act reports is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms and that such information is accumulated and communicated to our management, including our chief executive officer and chief financial officer, as appropriate, to allow for timely decisions regarding required disclosure. Disclosure controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives, and management is required to apply its judgment in evaluating the cost-benefit relationship of possible controls and procedures. Management has designed our disclosure controls and procedures to provide reasonable assurance of achieving the desired control objectives.

As required by Exchange Act Rule 13a-15(b), we have carried out an evaluation, under the supervision and with the participation of our management, including our principal executive officer and principal financial officer, of the effectiveness of the design and operation of our disclosure controls and procedures as of December 31, 2007. Based upon this evaluation, our principal executive officer and principal financial officer concluded that our disclosure controls and procedures were not effective as of December 31, 2007 because of the material weaknesses discussed below. Notwithstanding the material weaknesses discussed below, our management has concluded that the consolidated financial statements included in this Annual Report on Form 10-K fairly present in all material respects our financial condition, results of operations and cash flows for the periods presented in conformity with generally accepted accounting principles.

Management's Report on Internal Control Over Financial Reporting

Management is responsible for establishing and maintaining adequate internal control over financial reporting as defined in Rules 13a-15(f) under the Securities Exchange Act of 1934, as amended. Internal control over financial reporting is designed 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 in the United States of America ("GAAP"). We recognize that because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies and procedures may deteriorate.

To evaluate the effectiveness of our internal control over financial reporting, management used the criteria described in *Internal Control — Integrated Framework* issued by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO").

In conducting our evaluation of the effectiveness of our internal control over financial reporting, we have excluded Precise, IsoTis, Physician Industries and LXU from our assessment of internal control over financial reporting as of December 31, 2007 because they were acquired by the Company in purchase business combinations during 2007. Precise Dental Holding Corporation and subsidiaries, IsoTis, Inc. and subsidiaries, Physician Industries, Inc. and LXU Healthcare, Inc. and subsidiaries are wholly owned entities of the Company whose total assets and total revenues represent approximately 14% and 7%, respectively, of the related consolidated financial statement amounts as of and for the year ended December 31, 2007.

A material weakness in internal control over financial reporting is a deficiency, or a combination of deficiencies, such that there is a reasonable possibility that a material misstatement of the annual or interim financial statements will not be prevented or detected on a timely basis. In connection with management's assessment of our internal control over financial reporting, we identified the following material weaknesses in our internal control over financial reporting as of December 31, 2007.

1. The Company did not maintain a sufficient complement of personnel with the appropriate skills, training and experience to identify and address the application of generally accepted accounting principles and effective controls with respect to locations undergoing change or experiencing staff turnover. Specifically, the Company did not maintain a sufficient complement of personnel to completely and accurately record and review the inventory, accrued liabilities, intercompany accounts, account receivable and income taxes accounts as of and for the year ended December 31, 2007. Further, effective communication was not designed and in place for sharing of information within and between our finance department and other operating departments. This control deficiency contributed to the following control deficiencies which are individually considered to be material weaknesses.
2. The Company did not maintain effective controls over certain financial statement accounts reconciliation. Specifically, accounts reconciliation involving inventory, accrued liabilities, intercompany accounts, account receivable and income taxes were not designed for proper preparation and timely review and reconciling items were not timely resolved and adjusted. This control deficiency resulted in audit adjustments to the aforementioned accounts and disclosures in the Company's consolidated financial statements as of and for the year ended December 31, 2007.
3. The Company did not maintain effective controls over the recording and elimination of Intercompany transactions. Specifically, controls were not appropriately designed for completeness and accuracy of Intercompany accounts and to reconcile and review intercompany transactions between the Company's subsidiaries on a timely basis. This control deficiency resulted in improper intercompany profit eliminations and audit adjustments to intercompany sales and cost of goods sold for the year ended December 31, 2007.
4. The Company did not maintain effective controls over the completeness and accuracy of its income tax provision. Specifically, controls were not appropriately designed to ensure its income tax provision and related income taxes payable and deferred income tax assets and liabilities were properly calculated. This control deficiency resulted in audit adjustments to the aforementioned accounts and disclosures in the Company's consolidated financial statements as of and for the year ended December 31, 2007.
5. The Company did not maintain effective controls over the system configuration, segregation of duties and access to key financial reporting systems, particularly with respect to locations undergoing systems implementations. Specifically, key financial reporting systems were not appropriately configured to ensure that certain transactions were properly processed, to segregate duties amongst personnel and to ensure that unauthorized individuals did not have access to add, change or delete key financial data. Further, the Company lacked adequate internal access security policies and procedures.

Because of these material weaknesses, management has concluded that our internal control over financial reporting was not effective as of December 31, 2007. These control deficiencies could result in misstatements of financial statement accounts and disclosures that would result in a material misstatement of the consolidated financial statements that would not be prevented or detected.

The effectiveness of the Company's internal control over financial reporting as of December 31, 2007 has been audited by PricewaterhouseCoopers LLP, an independent registered public accounting firm, as stated in their report which appears herein.

Management Action Plan and Progress to Date

In response to the material weaknesses, we have taken certain actions and will continue to take further steps to strengthen our control processes and procedures in order to remediate such material weaknesses. We will continue to evaluate the effectiveness of our internal controls and procedures on an ongoing basis and will take further action as appropriate. These actions include an assessment of intercompany accounts and the reconciliation process with the assistance of outside consultants. This was helpful not only in connection with previous quarterly closes, but also identified a number of process improvements which will be implemented in future monthly and quarterly closes.

Additionally, we have taken and are taking the following actions to remediate the material weaknesses identified above:

- On September 6, 2007, we accepted the resignation of our Chief Financial Officer.
- Reassigned our former corporate controller from the business development department to the finance organization to assist with the quarterly close and process improvements.
- Recruited additional accounting and tax professionals who can provide the adequate experience and knowledge to improve the timeliness and effectiveness of our account reconciliations and ultimately the financial reporting processes. Several individuals have been hired within the finance organization and management continues to recruit additional personnel. We have utilized our internal audit group and outside consultants as needed to assist with executing the preparation and/or reviews of reconciliations under our direction. Training for current and new personnel is being addressed. We also have developed a group that is solely dedicated to developing and administering training materials to departmental personnel as well as enhancing communication channels among departments and organizations within the company.
- Enhancements to the reconciliation process have been made during the 2007 fiscal year. Reconciliations are being reviewed by several levels of management prior to finalization. In addition, during the first quarter of 2008, management developed reconciliation policies and procedures that will be administered to all departments in 2008.
- Management continues to address the control weaknesses around intercompany accounting transactions. Detailed intercompany reconciliations will be prepared each period and analyzed by several levels of management. Process changes are being identified and implemented, which enforce compliance with existing and revised processes for intercompany transactions and allow for easier accounting and monitoring of such transactions. Process improvements are still being analyzed and addressed by management.
- Several individuals have been hired in the tax department. These individuals have been working on assessing the current tax structure and reviewing the transactions in the tax accounts. Management will continue working on addressing the control weaknesses as it relates to assessing and recording tax transactions.
- The Company performed a detailed study related to its controls associated with the use of its primary financial reporting system and has a working group in place focused on implementing the key findings from that assessment. The Business Process Management team was established and has been recruiting IT and project management professionals with the necessary knowledge and experience to continue the optimization efforts around the Company's Enterprise Resource Planning system (ERP) and supporting business processes. The team continues its planning around additional phases of ERP rollouts in international locations and the integration of acquired businesses. We expect the remediation in this area to continue for a number of months.

The effectiveness of any system of controls and procedures is subject to certain limitations, and, as a result, there can be no assurance that our controls and procedures will detect all errors or fraud. A control system, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that the objectives of the control system will be attained.

We will continue to develop new policies and procedures as well as educate and train our financial reporting department regarding our existing policies and procedures in a continual effort to improve our internal control over financial reporting, and will be taking further actions as appropriate. We view this as an ongoing effort to which we will devote significant resources.

We believe that the foregoing actions have improved and will continue to improve our internal control over financial reporting, as well as our disclosure controls and procedures.

Changes in Internal Control Over Financial Reporting

There were no material changes in our internal control over financial reporting (as defined in Rule 13a-15(f) under the Exchange Act) that occurred during the quarter ended December 31, 2007 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

PART IV

ITEM 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES

Exhibits

- | | |
|------|--|
| 31.1 | Certification of Principal Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 |
| 31.2 | Certification of Principal Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 |
| 32.1 | Certification of Principal Executive Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 |
| 32.2 | Certification of Principal Financial Officer Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 |
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SIGNATURES

Pursuant to the requirements of Section 13 of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

INTEGRA LIFESCIENCES HOLDINGS CORPORATION

Date: July 31, 2008

By: /s/ Stuart M. Essig
Stuart M. Essig
President and Chief Executive Officer

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons, on behalf of the registrant in the capacities indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Stuart M. Essig</u> Stuart M. Essig	President, Chief Executive Officer and Director (Principal Executive Officer)	July 31, 2008
<u>/s/ John B. Henneman, III</u> John B. Henneman, III	Executive Vice President, Finance and Administration, and Chief Financial Officer (Principal Financial Officer)	July 31, 2008
<u>/s/ Jerry E. Corbin</u> Jerry E. Corbin	Vice President and Corporate Controller (Principal Accounting Officer)	July 31, 2008
<u>/s/ Richard E. Caruso, Ph.D.</u> Richard E. Caruso, Ph.D.	Chairman of the Board	July 31, 2008
<u>/s/ Thomas J. Baltimore, Jr.</u> Thomas J. Baltimore, Jr.	Director	July 31, 2008
<u>Keith Bradley, Ph.D.</u>	Director	
<u>/s/ Neal Moszkowski</u> Neal Moszkowski	Director	July 31, 2008
<u>/s/ Christian Schade</u> Christian Schade	Director	July 31, 2008
<u>/s/ James M. Sullivan</u> James M. Sullivan	Director	July 31, 2008
<u>/s/ Anne M. VanLent</u> Anne M. VanLent	Director	July 31, 2008

EXHIBIT INDEX

Exhibit Number	Description
31.1	Certification of Principal Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
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**Certification of Principal Executive Officer
Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002**

I, Stuart M. Essig, certify that:

1. I have reviewed this annual report on Form 10-K, as amended, of Integra LifeSciences Holdings 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 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 we 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; and
5. The registrant's other certifying officer 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 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: July 31, 2008

/s/ Stuart M. Essig

Stuart M. Essig

President and Chief Executive Officer

**Certification of Principal Financial Officer
Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002**

I, John B. Henneman, III, certify that:

1. I have reviewed this annual report on Form 10-K, as amended, of Integra LifeSciences Holdings 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 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 we 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; and
5. The registrant's other certifying officer 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 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: July 31, 2008

/s/ John B. Henneman, III

John B. Henneman, III
Executive Vice President,
Finance and Administration,
and Chief Financial Officer

**Certification of Principal Executive Officer
Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002**

I, Stuart M. Essig, President and Chief Executive Officer of Integra LifeSciences Holdings Corporation (the "Company"), hereby certify that, to my knowledge:

1. The Annual Report on Form 10-K, as amended, of the Company for the year ended December 31, 2007 (the "Report") fully complies with the requirement of Section 13(a) or Section 15(d), as applicable, of the Securities Exchange Act of 1934, as amended; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: July 31, 2008

/s/ Stuart M. Essig

Stuart M. Essig
President and Chief Executive Officer

**Certification of Principal Financial Officer
Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002**

I, John B. Henneman, III Executive Vice President, Finance and Administration, and Chief Financial Officer of Integra LifeSciences Holdings Corporation (the "Company"), hereby certify that, to my knowledge:

1. The Annual Report on Form 10-K, as amended, of the Company for the year ended December 31, 2007 (the "Report") fully complies with the requirement of Section 13(a) or Section 15(d), as applicable, of the Securities Exchange Act of 1934, as amended; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: July 31, 2008

/s/ John B. Henneman, III

John B. Henneman, III
Executive Vice President,
Finance and Administration, and
Chief Financial Officer