

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

FORM 12b-25

NOTIFICATION OF LATE FILING

(Check one): Form 10-K Form 20-F Form 11-K
 Form 10-Q Form 10-D Form N-SAR
 Form N-CSR

For Period Ended: December 31, 2006

Transition Report on Form 10-K
 Transition Report on Form 20-F
 Transition Report on Form 11-K
 Transition Report on Form 10-Q
 Transition Report on Form N-SAR
For the Transition Period Ended:

Read Instruction (on back page) Before Preparing Form. Please Print or Type.
Nothing in this form shall be construed to imply that the Commission has
verified any information contained herein.

If the notification relates to a portion of the filing checked above, identify
the Item(s) to which the notification relates:

PART I -- REGISTRANT INFORMATION

Integra LifeSciences Holdings Corporation

Full Name of Registrant

Former Name if Applicable

311 Enterprise Drive

Address of Principal Executive Office (Street and Number)

Plainsboro, NJ 08536

City, State and Zip Code

PART II -- RULES 12b-25(b) AND (c)

If the subject report could not be filed without unreasonable effort or expense
and the registrant seeks relief pursuant to Rule 12b-25(b), the following should
be completed. (Check box if appropriate)

- (a) The reason described in reasonable detail in Part III of this form
could not be eliminated without unreasonable effort or expense
- (b) The subject annual report, semi-annual report, transition report
on Form 10-K, Form 20-F, Form 11-K, Form N-SAR or Form N-CSR,
or portion thereof, will be filed on or before the fifteenth
calendar day following the prescribed due date; or the subject
quarterly report or transition report on Form 10-Q or subject
distribution report on Form 10-D, or portion thereof, will be
filed on or before the fifth calendar day following the prescribed
due date; and
- (c) The accountant's statement or other exhibit required by Rule
12b-25(c) has been attached if applicable.

PART III -- NARRATIVE

State below in reasonable detail why Forms 10-K, 20-F, 11-K, 10-Q, 10-D, N-SAR,
N-CSR, or the transition report or portion thereof, could not be filed within
the prescribed time period.

The Registrant's Annual Report on Form 10-K for the year ended December 31, 2006
cannot be filed on or prior to the prescribed March 1, 2007 due date without
unreasonable effort and expense. Due to an unanticipated delay in finalizing the
balance sheet impact of deferred taxes, the Registrant did not complete its
review and preparation of the financial statements until February 28, 2007. As a
result, the Registrant did not have sufficient time to finalize its review and
preparation of its Annual Report on Form 10-K (including audited financial

GENERAL INSTRUCTIONS

1. This form is required by Rule 12b-25 (17 CFR 240.12b-25) of the General Rules and Regulations under the Securities Exchange Act of 1934.

2. One signed original and four conformed copies of this form and amendments thereto must be completed and filed with the Securities and Exchange Commission, Washington, D.C. 20549, in accordance with Rule 0-3 of the General Rules and Regulations under the Act. The information contained in or filed with the form will be made a matter of public record in the Commission files.
3. A manually signed copy of the form and amendments thereto shall be filed with each national securities exchange on which any class of securities of the registrant is registered.
4. Amendments to the notifications must also be filed on Form 12b-25 but need not restate information that has been correctly furnished. The form shall be clearly identified as an amended notification.
5. Electronic Filers: This form shall not be used by electronic filers unable to timely file a report solely due to electronic difficulties. Filers unable to submit reports within the time period prescribed due to difficulties in electronic filing should comply with either Rule 201 or Rule 202 of Regulation S-T (ss.232.201 or ss.232.202 of this chapter) or apply for an adjustment in filing date pursuant to Rule 13(b) of Regulation S-T (ss.232.13(b) of this chapter).