

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:

March 31, 2016

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

HARVARD BIOSCIENCE, INC.

Former Name if Applicable

84 October Hill Road

Address of Principal Executive Office (Street and Number)

Holliston, Massachusetts 01746

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.

Harvard Bioscience, Inc. (the "Company") is unable to file its Quarterly Report on Form 10-Q for the period ended March 31, 2016 (the "Report") by the prescribed date of May 10, 2016 due to the significant and additional time and resources that were required with respect to both the forensic investigation initiated by the Company following its discovery of the alleged embezzlement and concealment at Denville Scientific, Inc., one of its wholly-owned subsidiaries, as well as the filing of its Form 10-K for the fiscal year ended December 31, 2015 (the "Form 10-K") and completion of the audit and related testing pertaining to such Form 10-K and financial statements contained therein. The Company is working to complete the Report as expeditiously as possible in an effort to file the Report no later than May 16, 2016.

This Notification of Late Filing on Form 12b-25 contains forward-looking statements within the meaning of the federal securities laws. You can identify these statements by our use of such words as "believes," "expects," and similar expressions that do not relate to historical matters. Forward-looking statements in this Notification of Late Filing on Form 12b-25 may include, but are not limited to, statements or inferences about the Company's or management's beliefs or expectations, including its expectation with respect to the filing of the Report, and the Company's plans, objectives and intentions that are not historical facts. These statements involve known and unknown risks, uncertainties and other factors that may cause the Company's actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Factors that may cause the Company's actual results to differ materially from those in the forward-looking statements include factors described under the heading "Item 1A. Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2015, or otherwise described in our other public filings. The Company's results may also be affected by factors of which the Company is not currently aware. The Company may not update these forward-looking statements, even though its situation may change in the future, unless it has obligations under the federal securities laws to update and disclose material developments related to previously disclosed information.

PART IV — OTHER INFORMATION

- (1) Name and telephone number of person to contact in regard to this notification

Robert E. Gagnon

(Name)

508

(Area Code)

893-8999

(Telephone Number)

- (2) Have all other periodic reports required under Section 13 or 15(d) of the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months or for such shorter period that the registrant was required to file such report(s) been filed? If answer is no, identify report(s).

Yes No

- (3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof?

Yes No

If so: attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of the results cannot be made.

Harvard Bioscience, Inc.

has caused this notification to be signed on its behalf by the undersigned hereunto duly authorized.

Date May 10, 2016

By /s/ Robert E. Gagnon
Chief Financial Officer

INSTRUCTION: The form may be signed by an executive officer of the registrant or by any other duly authorized representative. The name and title of the person signing the form shall be typed or printed beneath the signature. If the statement is signed on behalf of the registrant by an authorized representative (other than an executive officer), evidence of the representative's authority to sign on behalf of the registrant shall be filed with the form.

ATTENTION

Intentional misstatements or omissions of fact constitute Federal Criminal Violations (See 18 U.S.C. 1001).