

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

FORM 10-Q/A
Amendment No. 1

(Mark One)

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

For the quarterly period ended August 31, 2012

or

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: 0-12305

REPRO-MED SYSTEMS, INC.

(Exact name of registrant as specified in its charter)

New York

(State or other jurisdiction of incorporation or organization)

13-3044880

(I.R.S. Employer Identification No.)

24 Carpenter Road, Chester New York

(Address of principal executive offices)

10918

(Zip Code)

(845) 469-2042

(Registrant's telephone number, including area code)

n/a

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

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

Large accelerated filer

Accelerated filer

Non-accelerated filer

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 October 12, 2012, 36,661,667 shares of common stock, \$.01 par value per share, were outstanding.

EXPLANATORY NOTE

The purpose of this Amendment No. 1 to the Quarterly Report on Form 10-Q for the period ended August 31, 2012 (“Form 10-Q”) is to submit Exhibit 101 to the Form 10-Q in accordance with Rule 405 of Regulation S-T. Exhibit 101 consists of the Interactive Data Files relating to our Form 10-Q for the quarterly period ended August 31, 2012, filed with the Securities and Exchange Commission on October 15, 2012.

PART II – OTHER INFORMATION

ITEM 6. EXHIBITS.

- 31.1 * Certification of Principal Executive Officer Pursuant to Section 302 of Sarbanes-Oxley Act 2002
- 31.2 * Certification of Chief Financial Officer Pursuant to Section 302 of Sarbanes-Oxley Act 2002
- 32.1 * Certification of Principal Executive Officer Pursuant to Section 906 of the Sarbanes-Oxley Act 2002
- 32.2 * Certification of Chief Financial Officer Pursuant to Section 906 of the Sarbanes-Oxley Act 2002
- 101 ** Interactive Data Files of Financial Statements and Notes.

* Previously filed.

** In accordance with Regulation S-T, the Interactive Data Files in Exhibit 101 to the Quarterly Report on Form 10-Q shall be deemed “furnished” and not “filed”.

SIGNATURES

Pursuant to the requirements 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.

REPRO-MED SYSTEMS, INC.

November 7, 2012

/s/ Andrew I. Sealfon

Andrew I. Sealfon, President, Chairman of the Board, Director,
Principal Executive Officer

November 7, 2012

/s/ Michael R. Boscher

Michael R. Boscher, Treasurer and Chief Financial Officer