

U.S. SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

FORM 10-Q/A  
AMENDMENT No 1

(Mark One)

QUARTERLY REPORT UNDER SECTION 13 OR 15(d) OF THE SECURITIES  
EXCHANGE ACT OF 1934.

For the quarterly period ended May 31, 2010

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 13-3044880  
(State or other jurisdiction of (IRS Employer Identification No.)  
incorporation or organization)

24 Carpenter Road, Chester New York 10918  
(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code: (845) 469-2042

(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 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 May 31, 2010, 35,584,286 shares of common stock, \$.01 par value per share,  
were outstanding.

EXPLANATORY NOTE

Repro-Med Systems, Inc. (the "Company") is filing this Amendment No. 1 on Form  
10-Q/A ("Amendment No. 1") to amend Part II, Item 6 of its Quarterly Report on  
Form 10-Q for the quarterly period ended May 31, 2010, originally filed with the  
Securities and Exchange Commission on July 15, 2010 (the "Original Quarterly  
Report"). Repro-Med Systems, Inc. is filing this Amendment No. 1 for the sole  
purpose of amending the wording of Exhibit 31.1 of the Original Quarterly



EXHIBIT 31.1

CERTIFICATION PURSUANT TO  
SECTION 302 OF THE SARBANES-OXLEY ACTS OF 2002

I, Andrew I. Sealfon, certify that:

- 1) I have reviewed the Form 10-Q of Repto-Med Systems, Inc. (the "Report");
- 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 me 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(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: March 1, 2011

/s/ Andrew I. Sealfon  
Andrew I. Sealfon  
Chief Executive Officer and Principal Financial Officer