

ARBIOS SYSTEMS INC  
Form NT 10-Q  
May 17, 2010

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

FORM 12b-25

NOTIFICATION OF LATE FILING

SEC FILE NUMBER

000-32603

CUSIP NUMBER

03875V107

(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, 2010  
 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 attached 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:

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PART I - REGISTRANT INFORMATION

ARBIOS SYSTEMS, INC.  
Full Name of Registrant

Former Name if Applicable

80 Commerce Drive  
Address of Principal Executive Office (Street and Number)

Allendale, New Jersey 07401  
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 reasons 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, 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

Arbios Systems, Inc. was unable to complete and file its Quarterly Report on Form 10-Q for the quarter ended March 31, 2010 within the prescribed time period due to a delay in obtaining and compiling information required to be included in the Company's Form 10-Q, which delay could not be eliminated by the Company without unreasonable effort and expense.

PART IV - OTHER INFORMATION

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

|                 |             |                    |
|-----------------|-------------|--------------------|
| Thomas J. Fagan | (201)       | 995-1919           |
| (Name)          | (Area Code) | (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

The Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2009 has not been timely filed.

- (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.

ARBIOS SYSTEMS, INC.  
(Name of Registrant as Specified in Charter)

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

|                    |                         |
|--------------------|-------------------------|
| Date: May 17, 2010 | By:/s/ Thomas J. Fagan  |
|                    | Thomas J. Fagan         |
|                    | Chief Executive 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).