

AEROSONIC CORP /DE/  
Form NT 10-Q  
September 15, 2008

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 12b-25

Commission File Number o

NOTIFICATION OF LATE FILING

Check One):  Form 10-K  Form 11-K  Form 20-F  Form 10-Q  Form N-SAR

(Check One): Form 10-K Form 11-K Form 20-F Form 10-Q Form N-SAR

For Period Ended: August 1, 2008

- 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 sheet 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

Full Name of Registrant: **AEROSONIC CORPORATION**

Former Name if Applicable:

Address of Principal Executive Office (Street and number): 1212 NORTH HERCULES AVENUE

City, state and zip code: CLEARWATER FL 33765

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 or Form N-SAR, or portion thereof, will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report of transition report on Form 10-Q, 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.
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**PART III — NARRATIVE**

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

Aerosonic Corporation (the “Registrant”) requires additional time to prepare and file its Quarterly Report on Form 10-Q for the quarter ended August 1, 2008 (the “10-Q”) because the Registrant and its independent registered public accounting firm are still in the process of completing their review of the financial statements as of August 1, 2008 and are not able to finish such process in a manner to allow the timely filing of the 10-Q without unreasonable effort or expense.

**PART IV — OTHER INFORMATION**

(1) Name and telephone number of person to contact in regard to this notification:  
Douglas J. Hillman  
President and Chief Executive Officer  
(727) 461-3000  
(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 x No o

(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 o No x

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

Aerosonic Corporation  
(Name of Registrant as Specified in Charter)

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

Date September 15, 2008

By: /s/ Douglas J. Hillman  
Douglas J. Hillman, President and 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).

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