AEROSONIC CORP /DE/ Form 8-K December 17, 2009

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): December 14, 2009

AEROSONIC CORPORATION

(Exact name of registrant as specified in its charter)

DelawareState or other jurisdiction of

1-11750 (Commission File Number) 74-1668471 (I.R.S. Employer

incorporation or organization

Identification No.)

1212 North Hercules Avenue

Clearwater, Florida 33765

(Address of principal executive offices and Zip Code)

(727) 461-3000

(Registrant s telephone number, including Area Code)

Not applicable

(Former name, former address and former fiscal year, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- " Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02. Results of Operations and Financial Condition

(a) On December 14, 2009, Aerosonic Corporation (Aerosonic) issued a press release announcing its third quarter results. A copy of this press release is attached hereto as an exhibit and is incorporated herein by reference.

Item 9.01. Financial Statements and Exhibits

- (d) Exhibits
- 99.1 Press Release of Aerosonic dated December 14, 2009, announcing its third quarter results.

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 hereunto duly authorized.

AEROSONIC CORPORATION

Dated: December 16, 2009

By: /s/ Kevin J. Purcell

Kevin J. Purcell

Executive Vice President and Chief Financial Officer

EXHIBIT INDEX

Exhibit

Number Description

Exhibit 99.1 Press Release of Aerosonic dated December 14, 2009, announcing its third quarter results.