

Item 2.02. Results of Operations and Financial Condition.

On February 17, 2010, Senesco Technologies, Inc., a Delaware corporation (the “Company”), issued a press release to report the Company’s financial results for the quarter ended December 31, 2009. The full text of the press release is attached to this current report on Form 8-K as Exhibit 99.1.

The information in this Form 8-K shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934 (the “Exchange Act”) or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933 or the Exchange Act, except as expressly set forth by specific reference in such a filing.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No.	Description
99.1	Press Release of Senesco Technologies, Inc. dated February 17, 2010.

SIGNATURE

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.

SENESCO TECHNOLOGIES, INC.

Dated: February 17, 2010

By: /s/ Jack Van Hulst

Name: Jack Van Hulst

Title: President and Chief Executive Officer
