

Lightwave Logic, Inc.  
Form 8-K  
June 10, 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): June 10, 2009

Lightwave Logic, Inc.

.....

(Exact name of registrant as specified in its charter)

Nevada

0-52567

82-049-7368

.....

(State or other jurisdiction  
of incorporation)

(Commission  
File Number)

(IRS Employer  
Identification No.)

121 Continental Drive, Suite 110, Newark, Delaware

19713

.....

(Address of principal executive offices)

(Zip Code)

Registrant's telephone number, including area code: 302-356-2717

.....  
(Former name or former address, 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))

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**Item 7.01**

**Regulation FD Disclosure**

During the period of May 20, 2009 to June 5, 2009, the registrant issued the following press releases:

1. Press release dated May 20, 2009
2. Press release dated May 29, 2009
3. Press release dated June 5, 2009

The full text of each press release is attached to this report as Exhibit 99.1, Exhibit 99.2, and Exhibit 99.3, respectively, and is incorporated herein by reference.

**Item 9.01**

**Financial Statements and Exhibits**

Exhibit No.

Description

99.1

Press release dated May 20, 2009

99.2

Press release dated May 29, 2009

99.3

Press release dated June 5, 2009

**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

LIGHTWAVE LOGIC, INC.

By: /s/ James S. Marcelli

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James S. Marcelli

Dated June 10, 2009