

Lightwave Logic, Inc.  
Form 8-K  
June 22, 2010

**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 22, 2010 (June 18, 2010)

**Lightwave Logic, Inc.**

.....

(Exact name of registrant as specified in its charter)

**Nevada**

**0-52567**

**82-049-7368**

(State or other jurisdiction of  
Incorporation or Organization)

(Commission File Number)

(I.R.S. Employer  
Identification No.)

**121 Continental Drive, Suite 110, Newark, Delaware**

(Address of principal executive offices)

**19713**

(Zip Code)

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

.....

(Former name or former address, if changed since last report)

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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 5.02**

**Departure of Directors or Certain Officers; Election of Directors; Appointment of Officers; Compensatory Arrangements of Certain Officers**

On June 18, 2010, the registrant's board of directors renewed and amended James S. Marcelli's employee agreement. A copy of the renewal and amendment is attached as **Exhibit 10.1**.

**Item 9.01**

**Financial Statements and Exhibits**

Exhibit No.

Description

10.1

Employee Agreement Renewal and Amendment.

10.2

Employee Agreement - James S. Marcelli (incorporated by reference to the registrant's Form 8-K filed August 5, 2008).

**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 22, 2010