

Lightwave Logic, Inc.
Form 8-K
August 21, 2014

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): **August 21, 2014**

Lightwave Logic, Inc.
(Exact name of registrant as specified in its charter)

Nevada
(State or other jurisdiction of
Incorporation or Organization)

0-52567
(Commission File Number)

82-049-7368
(I.R.S. Employer
Identification No.)

1831 Lefthand Circle, Suite C, Longmont, CO
(Address of principal executive offices)

80501
(Zip Code)

Registrant's telephone number, including area code: **(720) 340-4949**

(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:

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- “ 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

On August 21, 2014, the registrant issued a press release announcing that it has successfully tested its first in-house photonic device. The full text of the press release is attached as Exhibit 99.1 to this report and is incorporated herein by reference.

Item 9.01

Financial Statements and Exhibits

(d)

Exhibits:

| Exhibit No. | Description |
|--------------------|-------------------------------------|
| 99.1 | Press release dated August 21, 2014 |

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.

Dated: August 21, 2014

LIGHTWAVE LOGIC, INC.

| | |
|--------|-----------------------|
| By: | /s/ James S. Marcelli |
| Name: | James S. Marcelli |
| Title: | President |