IsoR	ay,	Inc.
Forn	ı 8-	K/A
July	17,	2012

United States Securities And Exchange Commission Washington, DC 20549

FORM 8-K/A

(Amendment No. 1)

CURRENT REPORT

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

Date of Report (Date of Earliest Event Reported): July 17, 2012

(July 13, 2012)

ISORAY, INC.

(Exact name of registrant as specified in its charter)

Minnesota001-3340741-1458152(State or other jurisdiction of incorporation)(Commission (IRS Employer File Number) Identification No.)

350 Hills Street, Suite 106, Richland, Washington 99354

(Address of principal executive offices) (Zip Code)

(509) 375-1202

(Registrant's telephone number)

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:

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

Explanatory Note

On July 16, 2012, IsoRay, Inc., a Minnesota corporation (the "Company"), filed a Current Report on Form 8-K (the "Original Filing") to report on the Company's entry into a Securities Purchase Agreement with certain investors providing for the sale of a total of up to 3,626,944 shares of the Company's common stock for an aggregate purchase price of \$3.5 million pursuant to the Company's shelf registration statement on Form S-3 (File No. 333-162694), which became effective on November 13, 2009, the Form S-3 MEF (File No. 333-182678), which became effective on July 16, 2012, and a prospectus supplement to be filed concurrent with this Form 8-K on July 17, 2012.

The Company is filing this Amendment solely to file the legal opinion attached as Exhibits 5 and 23 hereto, which were referenced in the Original Filing. No modification or update is otherwise made to any other disclosures in the Original Filing, nor does this Amendment reflect any events occurring after the day of the Original Filing. As such, this Amendment should be read in conjunction with the Original Filing.

ITEM 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit No.Exhibit Description

- 5 Opinion of Keller Rohrback, PLC
- 10.1 Form of Securities Purchase Agreement, dated July 13, 2012*
- Placement Agency Agreement between IsoRay, Inc. and Ladenburg Thalmann & Co. Inc. dated July 13, 2012*
- Consent of Keller Rohrback, PLC (included as part of Exhibit 5)
- 99.1 Press Release of IsoRay, Inc. dated July 16, 2012*
- Previously filed

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: July 17, 2012

IsoRay, Inc., a Minnesota corporation

By: /s/ Dwight Babcock Dwight Babcock, Chairman and CEO