

IsoRay, Inc.  
Form 10-Q/A  
December 13, 2011

UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

FORM 10-Q/A  
Amendment No. 1

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended September 30, 2011

or

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission File No. 001-33407

ISORAY, INC.

(Exact name of registrant as specified in its charter)

Minnesota  
(State or other jurisdiction of incorporation or organization)

41-1458152  
(I.R.S. Employer Identification No.)

350 Hills St., Suite 106, Richland, Washington  
(Address of principal executive offices)

99354  
(Zip Code)

Registrant's telephone number, including area code: (509) 375-1202

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or such shorter period that the registrant was required to submit and post such files).

Yes  No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer", "accelerated filer", and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer  Accelerated filer  Non-accelerated filer   
Smaller reporting company

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act): Yes  No

Number of shares outstanding of each of the issuer's classes of common equity as of the latest practicable date:

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Class	Outstanding as of November 7, 2011
Common stock, \$0.001 par value	28,985,469

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EXPLANATORY NOTE

IsoRay, Inc. is filing this Amendment No. 1 on Form 10-Q/A (the “Amendment”) to our quarterly report on Form 10-Q for the period ended September 30, 2011 (the “Form 10-Q”), filed with the Securities and Exchange Commission on November 14, 2011 (the “Original Filing Date”), to furnish Exhibit 101 to the Form 10-Q in accordance with Rule 405 of Regulation S-T. Exhibit 101 consists of the following materials from our Form 10-Q, formatted in XBRL (eXtensible Business Reporting Language):

101.INS	XBRL Instance Document
101.SCH	XBRL Taxonomy Schema Document
101.CAL	XBRL Taxonomy Calculation Linkbase Document
101.DEF	XBRL Taxonomy Definition Linkbase Document
101.LAB	XBRL Taxonomy Label Linkbase Document
101.PRE	XBRL Taxonomy Presentation Linkbase Document

This Amendment speaks as of the Original Filing Date, does not reflect events that may have occurred subsequent to the Original Filing Date, and does not modify or update in any way disclosures made in the Form 10-Q. No other changes have been made to the Form 10-Q.

Pursuant to Rule 406T of Regulation S-T, the interactive data files attached as Exhibit 101 hereto are deemed not filed or part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, as amended, are deemed not filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), and otherwise are not subject to liability under those sections.

Pursuant to Rule 12b-15 under the Exchange Act, the certification required pursuant to the rules promulgated under the Exchange Act, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, which were included as exhibits to the Original Report, have been amended, restated and re-executed as of the date of this Amendment and are included as Exhibits 31.1 and 32.1 hereto.

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PART II - OTHER INFORMATION

ITEM 6. EXHIBITS

Exhibits:

- |         |  |
|---------|--|
| 31.1*   | Rule 13a-14(a)/15d-14(a) Certification of Principal Executive Officer                                  |
| 31.2*   | Rule 13a-14(a)/15d-14(a) Certification of Principal Financial Officer                                  |
| 32*     | Section 1350 Certifications  |
| 101**   | INTERACTIVE DATA FILE (FORM 10-Q FOR THE QUARTERLY PERIOD ENDED SEPTEMBER 30, 2011 FURNISHED IN XBRL). |
| 101.INS | XBRL Instance Document   |
| 101.SCH | XBRL Taxonomy Extension Schema Document  |
| 101.CAL | XBRL Taxonomy Extension Calculation Linkbase Document  |
| 101.DEF | XBRL Taxonomy Extension Definition Linkbase Document   |
| 101.LAB | XBRL Taxonomy Extension Label Linkbase Document  |
| 101.PRE | XBRL Taxonomy Extension Presentation Linkbase Document   |

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\* Filed herewith.

\*\*Furnished herewith. Pursuant to Rule 406T of Regulation S-T, the Interactive Data Files on Exhibit 101 hereto are deemed not filed or part of any registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, are deemed not filed for purposes of Section 18 of the Securities Exchange Act of 1934, and otherwise are not subject to liability under those sections.

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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 thereunto duly authorized.

Dated: December 12, 2011

ISORAY, INC., a Minnesota corporation

By

/s/ Dwight Babcock

Dwight Babcock, Chief Executive Officer  
(Principal Executive Officer)

By

/s/ Brien Ragle

Brien Ragle, Controller  
(Principal Financial and Accounting Officer)

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