Hunt Jonathan Robert Form 4 June 10, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

Estimated average burden hours per

response... 0.5

if no longer subject to Section 16. Form 4 or Form 5

obligations

1(b).

may continue.

See Instruction

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person * Hunt Jonathan Robert

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

(Check all applicable)

CFO

Issuer

(Last) (First)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year)

Filed(Month/Day/Year)

06/08/2009

IsoRay, Inc. [ISR]

Director 10% Owner X_ Officer (give title

below)

Other (specify below)

350 HILLS STREET, SUITE 106

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

RICHLAND, WA 99354

(State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)

(City)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (I) (Instr. 4)

Ownership (Instr. 4)

(A)

Transaction(s)

(Instr. 3 and 4) Code V Amount (D) Price

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Conversion Security or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number of TransactionDerivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security	(Month/	Day/Year) (Instr. 8	Disposed o	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)				
			(Code V	/ (A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock option (right to buy)	\$ 0.26	06/08/2009		A	100,000		<u>(1)</u>	06/08/2019	Common stock	100,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Hunt Jonathan Robert							
350 HILLS STREET			CFO				
SUITE 106			Cro				
RICHLAND, WA 99354							

Signatures

/s/ Jonathan
Hunt

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) 33,333 vest on 6/8/10, 33,333 vest on 6/8/11, and 33,334 vest on 6/8/12.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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