

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person* <u>van Walsem Johan</u>  (Last) (First) (Middle) <u>C/O METABOLIX, INC.</u> <u>21 ERIE STREET</u>  (Street) <u>CAMBRIDGE MA 02139</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>METABOLIX, INC. [ MBLX ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>VP Mfg, Dev. and Ops.</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>10/01/2007</u>	
		6. Individual or Joint/Group Filing (Check Applicable Line)  <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	10/01/2007		M <sup>(1)</sup>		5,000	A	\$1.6518	5,000	D	
Common Stock	10/01/2007		s <sup>(1)</sup>		5,000	D	\$23.97 <sup>(3)</sup>	0	D	

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title	Amount or Number of Shares
Stock Option (right to buy)	\$1.6518	10/01/2007		M <sup>(1)</sup>			5,000		(2)	09/20/2015	Common Stock	5,000	\$0	154,806	D	

**Explanation of Responses:**

- Transaction effected pursuant to a Rule 10b5-1 trading plan established by the reporting person on 3/15/07.
- This stock option vests in quarterly installments over a period of 4 years from 10/1/04.
- Price reflected is the average sale price for the shares sold. Please see attached Exhibit 99 for a complete list of all sales by sale price.

/s/ Sarah P. Cecil, attorney-in-fact 10/02/2007

\*\* Signature of Reporting Person Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

PRICE	QUANTITY
\$23.8500	100
\$23.8600	100
\$23.8700	100
\$23.9400	200
\$24.0400	100
\$24.0800	100
\$24.0900	100
\$24.1000	200
\$23.9600	100
\$23.9700	400
\$23.9900	100
\$24.0500	100
\$24.1300	100
\$24.1400	100
\$24.1600	100
\$23.3500	286
\$23.3800	214
\$23.4400	100
\$23.4500	300
\$23.5400	100
\$24.2400	100
\$24.2500	400
\$24.2700	100
\$24.3000	100
\$24.3300	100
\$24.3500	100
\$24.3600	100
\$24.0200	100
\$24.0600	200
\$24.0700	100
\$24.0800	100
\$24.0900	100
\$24.1900	100
\$24.2000	100
\$24.2300	200