

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>Peoples Oliver P</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) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>VP Research, CSO</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>10/01/2007</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	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		s ⁽¹⁾		12,000	D	\$24.068 ⁽³⁾	320,762	D	
Common Stock								16,346	I	By George Stormont Trust ⁽²⁾

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					

Explanation of Responses:

- Transaction effected pursuant to a rule 10b5-1 trading plan established by the reporting person on 3/15/07.
- Held by a trust for the benefit of certain family members. The reporting person disclaims beneficial ownership except to the extent of his pecuniary interest, if any.
- 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

\$24.0600	200
\$24.0800	300
\$24.1200	100
\$24.1300	100
\$24.1500	300
\$24.1700	200
\$24.2000	100
\$24.2200	500
\$24.2300	200
\$24.2400	200
\$24.2700	400
\$24.2800	100
\$24.3300	100
\$24.3400	200
\$23.9400	2
\$23.9800	100
\$24.0200	200
\$24.0300	100
\$24.0500	299
\$24.0700	200
\$24.0800	200
\$24.1200	200
\$24.1300	200
\$24.1500	100
\$24.1600	100
\$24.1700	100
\$24.1800	100
\$24.2000	199
\$24.2300	200
\$24.2600	400
\$24.2700	100
\$24.2800	100
\$24.3000	100
\$23.4400	100
\$23.4500	321
\$23.4600	200
\$23.6700	200
\$23.6900	200
\$23.7400	300
\$23.8500	100
\$23.8600	100
\$23.8800	200
\$23.9300	100
\$23.9400	279
\$23.9500	100
\$23.9700	300
\$23.9900	300
\$24.0000	100
\$24.0300	100
\$24.2400	200
\$24.2500	100
\$24.2700	193
\$24.2800	1,200
\$24.3300	300
\$24.3400	200
\$24.3600	100
\$24.3900	100
\$24.4100	207
\$24.4200	400