Instruction 1(b).

FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES IN	BENEFICIAL	OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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

1. Name and Address of Reporting Person* <u>GILES EDWARD M</u>				2. Issuer Name and Ticker or Trading Symbol METABOLIX, INC. [MBLX]					(Ch	elationship (eck all applic	cable) or	g Perso	10% Ow	ner		
(Last)	(Fi	,	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 06/04/2009							Officer below)			Other (sp below)	pecify
21 ERIE STREET			4.	4. If Amendment, Date of Original Filed (Month/Day/Year)						6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street)	IDGE M	Α	02139									X Form f	led by More		ting Person One Report	
(City)	(S	tate)	(Zip)													
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																
1. Title of Security (Instr. 3) 2. Transar Date (Month/Date)				Execution Date,		Code (Instr. 5)				Beneficia	s Fo ally (D) ollowing (I)	Form:	Direct of Education Direct Education Education Direct of Education	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
						Code V	Amount	(A) or (D)	Price	Transact (Instr. 3 a	tion(s)			(1150.4)		
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		n Date Executio e (Month/Day/Year) Executio if any (Month/D	3A. Deemed Execution Date, if any (Month/Day/Year	Date, Transaction Code (Instr.				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)	\$7.31	06/04/2009		A		10,000		06/04/2010	06/04/2019	Common Stock	10,000	\$0	10,000		D	

Explanation of Responses:

/s/ Sarah P. Cecil, attorney-in-

fact

** Signature of Reporting Person

Date

06/05/2009

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

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.

^{*} 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).