CARTER WILLIAM A

Form 4

August 11, 2010

FORM 4

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

OMB APPROVAL
OMB
3235-0287

Check this box if no longer subject to

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Number: January 31, 2005

Section 16. Form 4 or Form 5 obligations SECURITIES SECURITIES

Estimated average burden hours per response... 0.5

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

891,714

I

obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading CARTER WILLIAM A Issuer Symbol HEMISPHERX BIOPHARMA INC (Check all applicable) [HEB] (Last) (First) (Middle) 3. Date of Earliest Transaction _X__ Director _X__ 10% Owner X_ Officer (give title Other (specify (Month/Day/Year) below) 1617 JFK BLVD, SUITE 660 08/11/2010 CEO (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line)

PHILADELPHIA, PA 19103

08/10/2010

Stock

Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired (A) 5. Amount of 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) Owned Direct (D) Ownership (Instr. 8) **Following** or Indirect (Instr. 4) Reported (A) Transaction(s) (Instr. 4) (Instr. 3 and 4) Code V Amount (D) Price Common 08/10/2010 P 818,682 A 1,265,829 D Stock 0.4948 Common 08/10/2010 S 125,630 D \$ 0.502 1,140,199 D Stock Common S 08/10/2010 224,110 D 916,089 D 0 4924 Stock Common 08/11/2010 S 26,519 D \$ 0.481 889,570 D Stock Common By

2,144

P

Spouse

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Common Stock 08/10/2010 S 1,129 D \$ 890,585 I By Spouse

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

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 control number.

SEC 1474

(9-02)

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

	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Title		8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Iumber Expiration Date		Amount of	Derivative	Deriv	
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ties	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
					.,						
									Amount		
						Date	Expiration		or		
							Date	Title 1	Number		
									of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
CARTER WILLIAM A 1617 JFK BLVD SUITE 660 PHILADELPHIA, PA 19103	X	X	CEO				

Signatures

William A.
Carter

**Signature of Reporting Person

O8/11/2010

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).

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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