

HEMISPHERX BIOPHARMA INC
 Form 5
 January 26, 2007

FORM 5

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

OMB APPROVAL
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).
 Form 3 Holdings Reported Form 4 Transactions Reported

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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. Name and Address of Reporting Person *
CARTER WILLIAM A
 (Last) (First) (Middle)

2. Issuer Name and Ticker or Trading Symbol
HEMISPHERX BIOPHARMA INC [HEB]

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)
 12/31/2006

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 Director 10% Owner
 Officer (give title below) Other (specify below)
 CEO

6. Individual or Joint/Group Reporting
 (check applicable line)

1617 JFK BLVD, SUITE 660
 (Street)

PHILADELPHIA, PA 19103
 (City) (State) (Zip)

Form Filed by One Reporting Person
 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)	(A) or (D)	Price	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	03/21/2006	^	S4	10,000	D	\$ 3.99	272,030	D	^
Common Stock	05/01/2006	^	G4	20,000	D	\$ 0	272,030	D	^
Common Stock	07/31/2006	^	G4	15,000	D	\$ 0	272,030	D	^
Common Stock	12/01/2006	^	P	17,500	A	\$ 2	272,030	D	^

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Common Stock	12/01/2006	Â	P	1,900	A	\$ 1.97	272,030	D	Â
Common Stock	12/01/2006	Â	P	600	A	\$ 1.99	272,030	D	Â
Common Stock	12/29/2006	Â	G	6,000	D	\$ 0	272,030	D	Â

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

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(9-02)

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 Underlying Security (Instr. 3 and 4)		
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount
Options	\$ 2.38	01/03/2006	Â	A	300,000	Â	01/03/2006	01/03/2016	Common Stock	300,000
Options	\$ 3.78	02/22/2006	Â	A	376,650	Â	02/22/2006	02/22/2016	Common Stock	376,650

Reporting Owners

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

Signatures

William A. Carter
01/26/2007

**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).

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

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