

CARTER WILLIAM A  
Form 4  
March 18, 2009

**FORM 4**

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

OMB APPROVAL

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**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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
CARTER WILLIAM A

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
1617 JFK BLVD, SUITE 660  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
01/31/2009

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
CEO

PHILADELPHIA, PA 19103

(City) (State) (Zip)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 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) | 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) |   |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|---|
| Incentive shares <sup>(1)</sup> | 01/31/2009                           |  | A                              | 206,646   | A   | 0.13   | 206,646   | D |
|                                 |                                      |  |                                |   |   |  |   |   |
| Incentive shares <sup>(1)</sup> | 02/28/2009                           |  | A                              | 199,263   | A   | 0.14   | 199,263   | D |

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

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SEC 1474 (9-02)

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**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 Securities (Instr. 3 and 4) |                 |              |                      |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|---|-----------------|--------------|----------------------|
|  |  |                                      |  | Code                           | V   | (A)  | (D) | Date Exercisable  | Expiration Date | Title        | Amount Number Shares |
| Warrants                                   | \$ 0.51  | 02/01/2009                           |  | A                              |   | 491,196  |     | 02/01/2009  | 01/31/2019      | Common stock | 491,196              |

## Reporting Owners

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

## Signatures

William A.  
Carter

03/18/2009

\*\*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).
- (1) These are shares which have been earned. These incentive shares are rights to shares which will be issued in six months.
- (2) The price of these shares has been computed in accordance with the stock for pay program which has been described in the 2008 10k filed on 3/16/2009.

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.