

NANOPHASE TECHNOLOGIES CORPORATION  
 Form 4  
 September 10, 2008

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

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

**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 \*  
 WHITMORE BRADFORD T

2. Issuer Name and Ticker or Trading Symbol  
 NANOPHASE TECHNOLOGIES CORPORATION [NANX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
 1560 SHERMAN AVE, SUITE 900  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 09/08/2008

\_\_\_\_ Director  
 \_\_\_\_ Officer (give title below)  
 \_\_\_X\_\_\_ 10% Owner  
 \_\_\_\_ Other (specify below)

EVANSTON, IL 60201

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 \_\_\_ Form filed by One Reporting Person  
 \_\_\_X\_\_\_ Form filed by More than One Reporting Person

(City) (State) (Zip)

**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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                 |                                      |  | Code                           | V   | Amount  | (A) or (D)   | Price                             |
| Common Stock                    | 09/08/2008                           |  | P                              |   | 835   | A  | \$ 1.73                           |
|                                 |                                      |  |                                |   |   |  | 4,825,818 (2)                     |
|                                 |                                      |  |                                |   |   |  | I                                 |
|                                 |                                      |  |                                |   |   |  | * (1)                             |
| Common Stock                    | 09/08/2008                           |  | P                              |   | 300   | A  | \$ 1.74                           |
|                                 |                                      |  |                                |   |   |  | 4,826,118 (2)                     |
|                                 |                                      |  |                                |   |   |  | I                                 |
|                                 |                                      |  |                                |   |   |  | * (1)                             |
| Common Stock                    | 09/08/2008                           |  | P                              |   | 1,500   | A  | \$ 1.75                           |
|                                 |                                      |  |                                |   |   |  | 4,827,618 (2)                     |
|                                 |                                      |  |                                |   |   |  | I                                 |
|                                 |                                      |  |                                |   |   |  | * (1)                             |
| Common Stock                    | 09/08/2008                           |  | P                              |   | 5,936   | A  | \$ 1.76                           |
|                                 |                                      |  |                                |   |   |  | 4,833,554 (2)                     |
|                                 |                                      |  |                                |   |   |  | I                                 |
|                                 |                                      |  |                                |   |   |  | * (1)                             |
| Common Stock                    | 09/08/2008                           |  | P                              |   | 2,100   | A  | \$ 1.77                           |
|                                 |                                      |  |                                |   |   |  | 4,835,654 (2)                     |
|                                 |                                      |  |                                |   |   |  | I                                 |
|                                 |                                      |  |                                |   |   |  | * (1)                             |

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|              |            |   |        |   |         |               |   |       |
|--------------|------------|---|--------|---|---------|---------------|---|-------|
| Common Stock | 09/09/2008 | P | 3,100  | A | \$ 1.74 | 4,838,754 (2) | I | * (1) |
| Common Stock | 09/09/2008 | P | 100    | A | \$ 1.75 | 4,838,854 (2) | I | * (1) |
| Common Stock | 09/09/2008 | P | 3,859  | A | \$ 1.76 | 4,842,713 (2) | I | * (1) |
| Common Stock | 09/10/2008 | P | 2,600  | A | \$ 1.67 | 4,845,313 (2) | I | * (1) |
| Common Stock | 09/10/2008 | P | 10,725 | A | \$ 1.68 | 4,856,038 (2) | I | * (1) |
| Common Stock | 09/10/2008 | P | 5,200  | A | \$ 1.7  | 4,861,238 (2) | I | * (1) |

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

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SEC 1474  
(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 Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned (Instr. 5) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
|  |  |                                      |  |                                |   | Date Exercisable   | Expiration Date   | Title                                      | Amount or Number of Shares                                       |
|  |  |                                      |  |                                |   | Code   | V (A) (D)   |  |  |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |         |       |
|--|---------------|-----------|---------|-------|
|  | Director      | 10% Owner | Officer | Other |
| WHITMORE BRADFORD T<br>1560 SHERMAN AVE<br>SUITE 900<br>EVANSTON, IL 60201 |               | X         |         |       |
|  |               | X         |         |       |

SPURGEON CORP  
290 S COUNTY FARM RD  
THIRD FL  
WHEATON, IL 60187

GRACE BROTHERS LTD  
1560 SHERMAN AVE SUITE 900 X  
EVANSTON, IL 60201

## Signatures

|   |            |
|---|------------|
| Bradford T. Whitmore                      | 09/10/2008 |
| <u>  </u> **Signature of Reporting Person | Date       |
| Jerald A. Trannel, Vice President         | 09/10/2008 |
| <u>  </u> **Signature of Reporting Person | Date       |
| Bradford T. Whitmore, General<br>Partner  | 09/10/2008 |
| <u>  </u> **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).

As General Partner of Grace Brothers, Ltd. which owns 4,288,426 shares (after purchases through September 10, 2008) and as General

- (1) Partner of Grace Investments, Ltd. which owns 300,000 shares, Bradford T. Whitmore is an indirect beneficial owner. As General Partner of Grace Brothers, Ltd. and as General Partner of Grace Investments, Ltd., Spurgeon Corporation is an indirect beneficial owner.
- (2) Bradford T. Whitmore directly owns 272,812 shares of common stock.

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

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