

WHITMORE BRADFORD T  
Form 4  
December 23, 2011

**FORM 4** 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).

**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)  
12/21/2011

\_\_\_\_ Director  
\_\_\_\_ Officer (give title below)  
 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  
\_\_\_\_ 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock	12/21/2011		P		810 A \$ 0.4333	1,220,153 <sup>(1)</sup>	D
Common Stock	12/21/2011		P		1,679 A \$ 0.4399	1,221,832 <sup>(1)</sup>	D
Common Stock	12/21/2011		P		6,050 A \$ 0.44	1,227,882 <sup>(1)</sup>	D
Common Stock	12/22/2011		P		2,000 A \$ 0.4355	1,229,882 <sup>(1)</sup>	D
Common Stock	12/22/2011		P		5,645 A \$ 0.44	1,235,527 <sup>(1)</sup>	D

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Common Stock	12/23/2011	P	100	A	\$ 0.4386	1,235,627 <sup>(1)</sup>	D
Common Stock	12/23/2011	P	200	A	\$ 0.4389	1,235,827 <sup>(1)</sup>	D
Common Stock	12/23/2011	P	200	A	\$ 0.4395	1,236,027 <sup>(1)</sup>	D
Common Stock	12/23/2011	P	100	A	\$ 0.4397	1,236,127 <sup>(1)</sup>	D
Common Stock	12/23/2011	P	79,400	A	\$ 0.44	1,315,527 <sup>(1)</sup>	D

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.**

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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 Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Beneficially (Instr. 5)
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## Reporting Owners

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

## Signatures

Bradford T.  
Whitmore

12/23/2011

\_\_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 a result of the transactions reported herein, Bradford T. Whitmore owns 1,315,527 shares of Common Stock. Bradford T. Whitmore is (1) also an indirect beneficial owner, as General Partner of Grace Brothers, Ltd., of 3,573,920 shares, and General Partner of Grace Investments, Ltd., of 300,000 shares.

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.