

WHITMORE R JANET  
Form 4  
July 17, 2012

**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 \*  
WHITMORE R JANET

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)  
1319 MARQUETTE DRIVE  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
07/13/2012

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

ROMEDEVILLE, IL 60446  
(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 Ownership (Instr. 4)
			Code	V	Amount (A) or (D) Price		
Common Stock <sup>(1)</sup>	07/13/2012		X		5,574 <sup>(2)</sup> \$ 0.33	21,874 <sup>(3)</sup>	I By Daughter
Common Stock <sup>(4)</sup>	07/13/2012		X		52,605 <sup>(2)</sup> \$ 0.33	210,596 <sup>(3)</sup>	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 Underlying (Instr. 3 and 4)	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title
Stock Option (right to buy)	\$ 5.55					11/24/2004 <sup>(5)</sup>	11/24/2013 <sup>(5)</sup>	Common Stock
Stock Option (right to buy)	\$ 1.36 <sup>(5)</sup>					01/31/2014	01/31/2021	Common Stock
Deferred Common Stock	<sup>(6)</sup>					<sup>(7)</sup>	<sup>(7)(8)</sup>	Common Stock
Stock Appreciation Right <sup>(9)</sup>	\$ 0.99					<sup>(9)</sup>	<sup>(9)</sup>	Common Stock
Subscription Rights (right to buy) <sup>(10)</sup>	\$ 0.33	07/13/2012		X	16,300	06/13/2012	07/20/2012	Common Stock
Subscription Rights (right to buy) <sup>(10)</sup>	\$ 0.33	07/13/2012		X	153,816	06/13/2012	07/20/2012	Common Stock

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
WHITMORE R JANET 1319 MARQUETTE DRIVE ROMEDEVILLE, IL 60446		X		

## Signatures

By Jess Jankowski under UPA for R. Janet Whitmore

07/17/2012

\*\*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) The shares were purchased upon exercise of subscription rights issued pro rata to holders of the issuer's common stock (the "Common Stock") as of the close of business on June 13, 2012 (the "Record Date"), to purchase 0.342 shares of Common Stock for each one share of Common Stock owned as of the close of business on the Record Date at a subscription price of \$0.33 per full share under the basic subscription privilege of the issuer's rights offering. The reporting person also exercised her over-subscription privilege under the rights offering, seeking up to 22,296 additional shares of Common Stock at the same \$0.33 price. The number of shares of Common Stock purchased by the reporting person pursuant to the exercise of her over-subscription privilege will be subject to availability and the pro rata allocation of shares among persons exercising this over-subscription privilege and will be determined subsequent to the expiration date of the rights offering.

(2) The shares of Common Stock will be issued to the reporting person upon the expiration of the rights offering.

(3) The reporting person previously reported 1,825 shares as Direct when they were Jointly held and thus are now shown as Indirect. No impact upon the total shares reported by this reporting person.

(4) The shares were purchased upon exercise of subscription rights issued pro rata to holders of the issuer's common stock (the "Common Stock") as of the close of business on June 13, 2012 (the "Record Date"), to purchase 0.342 shares of Common Stock for each one share of Common Stock owned as of the close of business on the Record Date at a subscription price of \$0.33 per full share under the basic subscription privilege of the issuer's rights offering. The reporting person also exercised her over-subscription privilege under the rights offering, seeking up to 210,420 additional shares of Common Stock at the same \$0.33 price. The number of shares of Common Stock purchased by the reporting person pursuant to the exercise of her over-subscription privilege will be subject to availability and the pro rata allocation of shares among persons exercising this over-subscription privilege and will be determined subsequent to the expiration date of the rights offering.

(5) Subject to certain rights and restrictions, beginning on this date, options vest in three equal annual installments.

(6) Each share of deferred common stock represents a right to receive one share of common stock.

(7) The deferred common stock becomes payable upon the reporting person's termination of service as a director of the Company.

(8) Pursuant to such plan, the reporting person elected to defer receipt of such shares and receive a cumulative total of 20,030 shares of deferred common stock which will all be accounted for under the Company's Non-Employee Director Deferred Compensation Plan.

(9) The stock appreciation right becomes payable upon the reporting person's termination of service as a director of the Company. 2,000 were issued 4/8/2009 at a conversion price of \$0.90, 2,000 were issued 7/1/2009 at a conversion price of \$1.05, 2,000 were issued 10/1/2009 at a conversion price of \$1.18, 2,000 were issued 1/4/2010 at a conversion price of \$0.84, 2,000 were issued 4/1/2010 at a conversion price of \$1.85, 2,000 were issued 7/1/2010 at a conversion price of \$1.10, and 2,000 were issued 10/1/2010 at a conversion price of \$0.99.

(10) The reporting person exercised subscription rights issued pro rata to holders of Common Stock as of the close of business on the Record Date, to purchase 0.342 shares of Common Stock for each one share of Common Stock owned as of the close of business on the Record Date at a subscription price of \$0.33 per full share under the basic subscription privilege of the issuer's rights offering.

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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