

BROTZMAN RICHARD W  
 Form 4  
 October 27, 2006

**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 \*  
 BROTZMAN RICHARD W

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)  
 10/26/2006

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 VP - Research & Development

ROMEDEVILLE, IL 60446

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 Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock					3,000	D	
Common Stock	10/26/2006		M	13,420	A \$ 3.8125	13,420	D
Common Stock	10/26/2006		S	5,920	D \$ 6.72	7,500	D
Common Stock	10/26/2006		S	2,500	D \$ 6.7329	5,000	D
Common Stock	10/26/2006		S	2,500	D \$ 6.7347	2,500	D

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Common Stock      10/26/2006      S      2,500      D      \$ 6.73      0      D

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 Securities (Instr. 3 and 4)	Amount or Number of Shares
				Code	V (A) (D)	Date Exercisable      Expiration Date	Title	
Common Stock (right to buy)	\$ 3.8125	10/26/2006		M	13,420	07/31/1999 <sup>(1)</sup> 07/31/2008	Common Stock	40,600
Common Stock (right to buy)	\$ 7.6875					05/24/2001 <sup>(2)</sup> 05/24/2010	Common Stock	22,500
Common Stock (right to buy)	\$ 10.875					01/26/2002 <sup>(2)</sup> 01/26/2011	Common Stock	20,000
Common Stock (right to buy)	\$ 7.0625					02/28/2002 <sup>(2)</sup> 02/28/2011	Common Stock	20,000
Common Stock (right to buy)	\$ 6.65					01/03/2003 <sup>(2)</sup> 01/03/2012	Common Stock	20,000
Common Stock (right to buy)	\$ 3.66					03/24/2004 <sup>(2)</sup> 03/24/2013	Common Stock	20,000

Common Stock (right to buy)	\$ 5.55	10/11/2005 <sup>(2)</sup>	10/11/2014	Common Stock	11,00
Common Stock (right to buy)	\$ 6.03	09/27/2006 <sup>(2)</sup>	09/27/2015	Common Stock	10,00
Common Stock (right to buy)	\$ 6.01	09/27/2007 <sup>(2)</sup>	09/27/2016	Common Stock	15,00

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BROTZMAN RICHARD W 1319 MARQUETTE DRIVE ROMEDEVILLE, IL 60446			VP - Research & Development	

## Signatures

By Jess Jankowski, under UPA for Richard W.  
Brotzman, Jr. 10/27/2006

\_\_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) Subject to certain restrictions, beginning on this date, options vest in five equal installments.
- (2) Subject to certain restrictions, beginning on this date, options vest in three equal annual installments.

### Remarks:

The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 plan adopted by Dr. Brotzman on January 3, 2005.  
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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