Wolcott Harold R Form 4 April 14, 2009

FORM 4

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

Check this box if no longer

subject to Section 16. Form 4 or

Form 5 obligations may continue. See Instruction 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(b).

1. Name and Address of Reporting Person * Wolcott Harold R

(First) (Middle) (Last)

(Street)

(State)

(Zip)

26 NORTH 3175 EAST

LAYTON, UT 84040

(City)

2. Issuer Name and Ticker or Trading Symbol

BSD MEDICAL CORP [bsdm]

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

04/10/2009

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

OMB

Number:

Expires:

response...

Estimated average

burden hours per

OMB APPROVAL

3235-0287

January 31,

2005

0.5

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

President 6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ 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 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Indirect Beneficial (Instr. 3, 4 and 5) Ownership (Month/Day/Year) (Instr. 8) Owned (I) Following (Instr. 4) (Instr. 4)

Reported (A) Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

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

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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 3. Transaction Date 3A. Deemed 4. 5. Number of 6. Date Exercisable and 7. Title and Amount Derivative Conversion (Month/Day/Year) Execution Date, if TransactionDerivative **Expiration Date** Underlying Securiti Security or Exercise Code Securities (Month/Day/Year) (Instr. 3 and 4) any

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)						
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amou Numb Shares
Option to purchase common stock	\$ 1.7	04/10/2009	04/14/2009	A	655,760		04/10/2010(1)	04/10/2019	Common Stock	655,

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Wolcott Harold R	v		Dussidant				
26 NORTH 3175 EAST LAYTON, UT 84040	X		President				

Signatures

Harold R.
Wolcott

**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) Options vest at a rate of one fifth per year for a period of five years beginning April 10, 2010.

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.

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