Wehrly Peter L Form 4 October 31, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

3235-0287 Number: January 31, Expires: 2005

OMB APPROVAL

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obligations

may continue.

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 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Wehrly Peter L			2. Issuer Name and Ticker or Trading Symbol MEDTRONIC INC [MDT]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	Director 10% Owner		
MEDTRONIC, INC., 710 MEDTRONIC PARKWAY, M.S. LC310			10/29/2007	_X_ Officer (give title Other (specification) Sr VP & Pres, Spinal & Navig		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
MINNEAPOLIS, MN 55432-5604			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

	(City)	(State) (Z	Zip) Table	I - Non-Do	erivative S	ecurit	ies Acq	quired, Disposed o	f, or Beneficial	ly Owned
S	Title of ecurity nstr. 3)	2. Transaction Date 2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transactio Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
	Common tock	10/29/2007		Code V A(1)	Amount 20,934	or (D)	Price \$ 0	(Instr. 3 and 4) 55,517.414 (2)	D	
	Common tock	10/29/2007		A(3)	6,281	A	\$ 0	61,798.414 (2)	D	
	Common tock							247.452	I	by 401(k)
	Common tock							1,422.76	I	by ESOP

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)

D S	Title of Derivative ecurity (Instr. 3)	2. Conversion or Exercise Price of	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. 5. Number of TransactionDerivative Code Securities (Instr. 8) Acquired (A)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount o Underlying Securities (Instr. 3 and 4)	
		Derivative Security				or Disposed of (D) (Instr. 3, 4, and 5)				
					Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
C	tock Options Right to	\$ 47.77	10/29/2007		A	23,028	10/29/2008(4)	10/29/2017	Common Stock	23,028

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Wehrly Peter L MEDTRONIC, INC. 710 MEDTRONIC PARKWAY, M.S. LC310 MINNEAPOLIS, MN 55432-5604

Sr VP & Pres, Spinal & Navig

Signatures

buy)

James N. Spolar, Attorney-in-fact

**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).
- (4) These options become exercisable at the rate of 25% of the shares granted per year beginning on the first anniversary of grant.
- The restrictions on these shares shall lapse 100% on the third anniversay of the grant date if the Company's cumulative earnings per share (3) growth during the 36 month period ending on the last day of the Company's fiscal year 2010 equals or exceeds a 9% compound annual growth rate, as determined by the Compensation Committee.
- (2) This balance has increased by 687.39 due to exempt transactions including ESPP, dividend reinvestment, and dividend equivalent credits.
- (1) The restrictions on these shares shall lapse on the date four years after the date of grant, and in the circumstances of death, disability or retirement these restrictions shall lapse on a prorata basis.

Reporting Owners 2

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