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Form 4												
August 01, 2												
FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION										OMB APPROVAL		
	UNITED	STATES	SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549						OMB Number:	3235-0287		
Check th if no long subject to Section 1 Form 4 c Form 5	ger 5 STATEN 16. or Filed pur	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,								January 31, 2005 verage rs per 0.5		
obligations may continue.Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940 1(b).												
(Print or Type]	Responses)											
1. Name and Address of Reporting Person [*] _ Dallas H James			2. Issuer Name and Ticker or Trading Symbol MEDTRONIC INC [MDT]					5. Relationship of Reporting Person(s) to Issuer				
(Least)	Middle)						(Check all applicable)					
(Last) 710 MEDT LC300	3. Date of Earliest Transaction (Month/Day/Year) 07/28/2011					Director 10% Owner Officer (give title Other (specify below) below) SrVP Quality, Operations, IT						
				If Amendment, Date Original led(Month/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person				
MINNEAPOLIS, MN 55432 — Form filed by More than One Reporting Person												
(City)	(State)	(Zip)	Tabl	e I - Non-D	Derivative S	Securi	ties Acq	uired, Disposed of	, or Beneficiall	ly Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Execution any		3.4. Securities AcquiredTransactior(A) or Disposed of (D)Code(Instr. 3, 4 and 5)(Instr. 8)				5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)	(20001-1)			
Common Stock (1)	07/28/2011			F	11,281	D	\$ 35.98	95,529.274	D			
Common Stock	07/29/2011			F	81	D	\$ 36.05	95,448.274	D			

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 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. Transacti Code (Instr. 8)	5. orNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		Date	Amou Unde Secur	le and int of rlying ities . 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
Dallas H James 710 MEDTRONIC PKWY MS LC300 MINNEAPOLIS, MN 55432			SrVP Quality, Operations, IT					
Signatures								

Rhonda L. Ingalsbe, Attorney-in-fact

08/01/2011

**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).

(1) This balance increased by 1654.586 shares due to exempt transactions such as dividend reinvestment and ESPP.

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.