

Perkins Thomas B
 Form 4
 September 16, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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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 *
 Perkins Thomas B

2. Issuer Name and Ticker or Trading Symbol
 Core-Mark Holding Company, Inc.
 [CORE]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
 395 OYSTER POINT BLVD.,
 SUITE 415
 (Street)

3. Date of Earliest Transaction
 (Month/Day/Year)
 09/15/2010

____ Director
 ____ Officer (give title below)
 ____ 10% Owner
 ____ Other (specify below)
 SVP of Resources

SOUTH SAN
 FRANCISCO, CA 94080

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)
			Code	V	Amount	(A) or (D)	Price
Coremark Common Stock	09/15/2010		M		15,278	A	\$ 15.5
Coremark Common Stock	09/15/2010		S		100	D	\$ 27.941
Coremark Common Stock	09/15/2010		S		700	D	\$ 27.98
	09/15/2010		S		600	D	\$ 28
							30,349
							30,249
							29,549
							28,949

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Coremark Common Stock							
Coremark Common Stock	09/15/2010	S	600	D	\$ 28.01	28,349	D
Coremark Common Stock	09/15/2010	S	200	D	\$ 28.05	28,149	D
Coremark Common Stock	09/15/2010	S	200	D	\$ 28.08	27,949	D
Coremark Common Stock	09/15/2010	S	500	D	\$ 28.09	27,449	D
Coremark Common Stock	09/15/2010	S	100	D	\$ 28.1	27,349	D
Coremark Common Stock	09/15/2010	S	201	D	\$ 28.11	27,148	D
Coremark Common Stock	09/15/2010	S	300	D	\$ 28.13	26,848	D
Coremark Common Stock	09/15/2010	S	600	D	\$ 28.17	26,248	D
Coremark Common Stock	09/15/2010	S	400	D	\$ 28.19	25,848	D
Coremark Common Stock	09/15/2010	S	300	D	\$ 28.2	25,548	D
Coremark Common Stock	09/15/2010	S	200	D	\$ 28.205	25,348	D
Coremark Common Stock	09/15/2010	S	600	D	\$ 28.21	24,748	D
Coremark Common Stock	09/15/2010	S	500	D	\$ 28.22	24,248	D
Coremark Common	09/15/2010	S	400	D	\$ 28.23	23,848	D

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Stock							
Coremark Common Stock	09/15/2010	S	200	D	\$ 28.265	23,648	D
Coremark Common Stock	09/15/2010	S	300	D	\$ 28.2667	23,348	D
Coremark Common Stock	09/15/2010	S	217	D	\$ 28.27	23,131	D
Coremark Common Stock	09/15/2010	S	783	D	\$ 28.2955	22,348	D
Coremark Common Stock	09/15/2010	S	200	D	\$ 28.38	22,148	D
Coremark Common Stock	09/15/2010	S	300	D	\$ 28.4	21,848	D
Coremark Common Stock	09/15/2010	S	868	D	\$ 28.4142	20,980	D
Coremark Common Stock	09/15/2010	S	1,500	D	\$ 28.4187	19,480	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)

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)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

