Perkins Thomas B Form 4 September 16, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL

OMB Number:

3235-0287

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Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(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]

3. Date of Earliest Transaction

(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

(Last)

(Middle)

09/15/2010

Officer (give title

Director

10% Owner Other (specify

below)

SVP of Resources

395 OYSTER POINT BLVD., **SUITE 415**

(Street)

(First)

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

SOUTH SAN FRANCISCO, CA 94080

(City)	(State)	(Zip) Tab	le I - Non-	Derivative	Secur	ities Acquir	ed, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securit ord Dispos (Instr. 3, 4)	ed of	` ′	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 Indirect Beneficial Ownership (Instr. 4)
Coremark Common Stock	09/15/2010		M	15,278	A	\$ 15.5	30,349	D	
Coremark Common Stock	09/15/2010		S	100	D	\$ 27.941	30,249	D	
Coremark Common Stock	09/15/2010		S	700	D	\$ 27.98	29,549	D	
	09/15/2010		S	600	D	\$ 28	28,949	D	

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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)

 $\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$

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. Transactio Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Expiration Da (Month/Day/Y	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	

8-23-2004 NQ Stock

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

15,27

Perkins Thomas B
395 OYSTER POINT BLVD., SUITE 415 SVP of Resources
SOUTH SAN FRANCISCO, CA 94080

Signatures

Amy Morgan, POA 09/16/2010

**Signature of Date
Reporting Person

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

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.

Reporting Owners 4

^{**} Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).