Perkins Thomas B Form 4 March 02, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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OMB APPROVAL

response...

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

Check this box

obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Perkins Thomas B

(First)

5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading

Director

Issuer

Core-Mark Holding Company, Inc.

(Check all applicable)

[CORE]

Symbol

(Last)

3. Date of Earliest Transaction

10% Owner Other (specify

(Middle)

(Month/Day/Year) 03/01/2010

below)

Officer (give title

SVP of Resources

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

> (Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

SOUTH SAN FRANCISCO, CA 94080

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative	Secu	rities 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)		sed of 4 and (A) or	` '	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	03/01/2010		S	100	D	\$ 32.04	11,430	D	
Coremark Common Stock	03/01/2010		S	100	D	\$ 32.05	11,330	D	
Coremark Common Stock	03/01/2010		S	100	D	\$ 32.065	11,230	D	
	03/01/2010		S	100	D	\$ 32.077	11,130	D	

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Coremark Common Stock							
Coremark Common Stock	03/01/2010	S	200	D	\$ 32.0775	10,930	D
Coremark Common Stock	03/01/2010	S	100	D	\$ 32.09	10,830	D
Coremark Common Stock	03/01/2010	S	100	D	\$ 32.12	10,730	D
Coremark Common Stock	03/01/2010	S	100	D	\$ 32.135	10,630	D
Coremark Common Stock	03/01/2010	S	100	D	\$ 32.15	10,530	D
Coremark Common Stock	03/01/2010	S	600	D	\$ 32.16	9,930	D
Coremark Common Stock	03/01/2010	S	5	D	\$ 32.17	9,925	D
Coremark Common Stock	03/01/2010	S	20	D	\$ 31.66	9,905	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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exercisable and	7. Title and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration Date	Amount of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/Year)	Underlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e	Securities	(Instr. 5)	Bene
	Derivative				Securities		(Instr. 3 and 4)		Own
	Security				Acquired				Follo
					(A) or				Repo
					Disposed				Trans
					of (D)				(Instr
					(Instr. 3,				
					4 and 5)				

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Date Expiration Title Exercisable Date

Code V (A) (D)

Exercisable Date

Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

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

SVP of Resources

Signatures

Amy Morgan, POA 03/02/2010

**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 3

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