

Core-Mark Holding Company, Inc.  
 Form 4  
 February 29, 2008

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

OMB APPROVAL

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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)  
 02/29/2008

\_\_\_\_ 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	02/29/2008		M		2,332	A	\$ 0
Coremark Common Stock	02/29/2008		S		25	D	\$ 26.49
Coremark Common Stock	02/29/2008		S		100	D	\$ 26.64
	02/29/2008		S		323	D	1,884

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Coremark Common Stock					\$ 26.67		
Coremark Common Stock	02/29/2008	S	100	D	\$ 26.68	1,784	D
Coremark Common Stock	02/29/2008	S	100	D	\$ 26.69	1,684	D
Coremark Common Stock	02/29/2008	S	400	D	\$ 26.8	1,284	D
Coremark Common Stock	02/29/2008	S	100	D	\$ 26.96	1,184	D
Coremark Common Stock	02/29/2008	S	100	D	\$ 27.01	1,084	D
Coremark Common Stock	02/29/2008	S	100	D	\$ 27.06	984	D
Coremark Common Stock	02/29/2008	S	100	D	\$ 27.09	884	D
Coremark Common Stock	02/29/2008	S	100	D	\$ 27.11	784	D
Coremark Common Stock	02/29/2008	S	100	D	\$ 27.12	684	D
Coremark Common Stock	02/29/2008	S	184	D	\$ 27.26	500	D
Coremark Common Stock	02/29/2008	S	100	D	\$ 27.31	400	D
Coremark Common Stock	02/29/2008	S	100	D	\$ 27.37	300	D
Coremark Common Stock	02/29/2008	S	100	D	\$ 27.39	200	D
Coremark Common	02/29/2008	S	100	D	\$ 27.43	100	D



## 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).

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.