Core-Mark Holding Company, Inc.

Form 4

May 31, 2006

### FORM 4

subject to

Form 4 or

obligations

Form 5

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** Section 16.

> 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

may continue. See Instruction

1(b).

(Last)

(City)

(Print or Type Responses)

1. Name and Address of Reporting Person \*

McPherson Scott E

(Middle) (First)

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

(Street)

(State)

(Zip)

**SOUTH SAN** 

FRANCISCO, CA 94080

2. Issuer Name and Ticker or Trading

Symbol

Core-Mark Holding Company, Inc. [CORE]

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

05/31/2006

4. If Amendment, Date Original

Filed(Month/Day/Year)

Director

Applicable Line)

Officer (give title

**OMB APPROVAL** 

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

5. Relationship of Reporting Person(s) to

(Check all applicable)

VP - U.S. Divisions

6. Individual or Joint/Group Filing(Check

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

10% Owner

Other (specify

Issuer

below)

#### Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

·		Tabl	c 1 - 14011-D	erranve	Secui	ines Acquii	cu, Disposcu oi,	or beneficially	Owneu
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securities Acquired (A) our Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Coremark Common Stock	05/31/2006		M	9,437	A	\$ 15.5	9,437	D	
Coremark Common Stock	05/31/2006		S	2,000	D	\$ 38.2	7,437	D	
Coremark Common Stock	05/31/2006		S	1,000	D	\$ 38.1973	6,437	D	
	05/31/2006		S	1,000	D	\$ 38.192	5,437	D	

Coremark Common Stock							
Coremark Common Stock	05/31/2006	S	1,000	D	\$ 38.175	4,437	D
Coremark Common Stock	05/31/2006	S	1,000	D	\$ 38.17	3,437	D
Coremark Common Stock	05/31/2006	S	1,000	D	\$ 38.1675	2,437	D
Coremark Common Stock	05/31/2006	S	1,000	D	\$ 38.098	1,437	D
Coremark Common Stock	05/31/2006	S	1,000	D	\$ 38.0944	437	D
Coremark Common Stock	05/31/2006	S	437	D	\$ 38.09	0	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474 (9-02)

# $\label{thm:convertible} \textbf{Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned} \\ \textit{(e.g., puts, calls, warrants, options, convertible securities)}$

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. Transactio Code (Instr. 8)	Transaction Derivative Code Securities		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
04LTIP plan grtd 8-23-2004 NQ	\$ 15.5	05/31/2006		M		9,437	08/23/2005	08/23/2011	Coremark Common Stock	9,437

#### **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

McPherson Scott E 395 OYSTER POINT BLVD., SUITE 415 SOUTH SAN FRANCISCO, CA 94080

VP - U.S. Divisions

### **Signatures**

James Wall, POA 05/31/2006

\*\*Signature of Reporting Person

## **Explanation of Responses:**

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

Date

\*\* 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.

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