Core-Mark Holding Company, Inc.

Form 4 May 15, 2008

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

3235-0287 Number:

January 31, Expires: 2005

> 10% Owner Other (specify

Estimated average burden hours per response... 0.5

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).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person *

McPherson Scott E

(First) (Middle)

395 OYSTER POINT BLVD., SUITE 415

(Street)

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

Symbol Core-Mark Holding Company, Inc.

3. Date of Earliest Transaction

(Month/Day/Year) 05/15/2008

[CORE]

4. If Amendment, Date Original Filed(Month/Day/Year)

below) SVP - U.S. Distribution

Director

Officer (give title

6. Individual or Joint/Group Filing(Check

(Check all applicable)

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

SOUTH SAN FRANCISCO, CA 94080

(City)	(State)	(Zip) Tabl	e I - Non-I	Derivative	Secui	rities Acqu	ired, Disposed of	, or Beneficial	ly 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. Securion(A) or D (Instr. 3,	ispose 4 and (A) or	ed of (D)	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	05/15/2008		M	2,268	A	\$ 0	3,770	D	
Coremark Common Stock	05/15/2008		S	736	D	\$ 27.962	3,034	D	

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form

Edgar Filing: Core-Mark Holding Company, Inc. - Form 4

displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transactio		mber	6. Date Exercise Expiration Date		7. Title and A Underlying S	
Security (Instr. 3)	or Exercise Price of Derivative Security	(inomin Deyr Tear)	any (Month/Day/Year)	Transaction Derivative Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		(Month/Day/Year)		Underlying Securities (Instr. 3 and 4)		
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units 05 LTIP	\$ 0	05/15/2008		M		2,268	02/01/2006	02/08/2015	Coremark Common Stock	2,268

Reporting Owners

Reporting Owner Name / Address	Relationships
Cenarting Liwner Name / Address	

Director 10% Owner Officer Other

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

SVP - U.S. Distribution

Signatures

S.

Loretz-Congdon, POA 05/15/2008

**Signature of Reporting Date
Person

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.

Reporting Owners 2