McPherson Scott E Form 4 November 25, 2009

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

OMB APPROVAL

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

obligations

Check this box

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

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 * McPherson Scott E

Symbol

5. Relationship of Reporting Person(s) to

Issuer

Core-Mark Holding Company, Inc.

2. Issuer Name and Ticker or Trading

(Check all applicable)

[CORE]

(Last) (First) 3. Date of Earliest Transaction

Director Officer (give title

10% Owner Other (specify

(Middle)

(Month/Day/Year) 11/24/2009

below)

SVP - U.S. Distribution

395 OYSTER POINT BLVD.,

(Street)

(State)

SUITE 415

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

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-l	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)	Code (Instr. 8)	(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	11/24/2009		Code V M	Amount 12,918	(D)	Price \$ 15.5	26,004	D	
Coremark Common Stock	11/24/2009		S	100	D	\$ 30.66	25,904	D	
Coremark Common Stock	11/24/2009		S	100	D	\$ 30.67	25,804	D	
	11/24/2009		S	300	D	\$ 30.68	25,504	D	

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Coremark Common Stock							
Coremark Common Stock	11/24/2009	S	1,200	D	\$ 30.685	24,304	D
Coremark Common Stock	11/24/2009	S	500	D	\$ 30.69	23,804	D
Coremark Common Stock	11/24/2009	S	100	D	\$ 30.691	23,704	D
Coremark Common Stock	11/24/2009	S	400	D	\$ 30.695	23,304	D
Coremark Common Stock	11/24/2009	S	909	D	\$ 30.7	22,395	D
Coremark Common Stock	11/24/2009	S	4,779	D	\$ 30.7018	17,616	D
Coremark Common Stock	11/24/2009	S	3,291	D	\$ 30.7042	14,325	D
Coremark Common Stock	11/24/2009	S	100	D	\$ 30.705	14,225	D
Coremark Common Stock	11/24/2009	S	1,300	D	\$ 30.72	12,925	D
Coremark Common Stock	11/24/2009	S	700	D	\$ 30.73	12,225	D
Coremark Common Stock	11/24/2009	S	734	D	\$ 30.74	11,491	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.

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

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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. Transactic Code (Instr. 8)	ransactionDerivative ode 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	Amoun or Number of Share
04LTIP plan grtd 8-23-2004 NO	\$ 15.5	11/24/2009		M		12,918	08/23/2005	08/23/2011	Coremark Common Stock	12,91

Reporting Owners

Reporting Owner Name / Address	Relationships						
Reporting Owner Numer 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

Amy Morgan, POA 11/25/2009

**Signature of Date
Reporting 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.

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