McPherson Scott E Form 4/A October 01, 2009

FORM 4

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

OMB Number:

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OMB APPROVAL

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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 *

(First)

(Street)

(State)

5. Relationship of Reporting Person(s) to

Issuer

McPherson Scott E

Symbol Core-Mark Holding Company, Inc.

2. Issuer Name and Ticker or Trading

(Check all applicable)

SVP-U.S. Distribution

[CORE]

(Last)

(City)

(Middle)

(Zip)

3. Date of Earliest Transaction

Director 10% Owner X_ Officer (give title Other (specify

(Month/Day/Year) 03/31/2009

below)

395 OYSTER POINT BLVD., SUITE 415

4. If Amendment, Date Original

Filed(Month/Day/Year) 04/03/2009

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

Person

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

SOUTH SAN FRANCISCO, CA 94080

1.Title of	2. Transaction Date	2A. Deemed
Security	(Month/Day/Year)	Execution Date, if
(Instr. 3)		any
		(Month/Day/Year)

3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

6. Ownership Form: Direct (D) or Indirect (I)

7. Nature of Indirect Beneficial Ownership (Instr. 4)

Reported (Instr. 4)

(A) or Code V Amount

(D) Price Transaction(s) (Instr. 3 and 4)

Coremark Common

04/03/2009

 $0^{(1)}$ M

A \$0

7,724

D

Stock Coremark

Stock

Common 04/03/2009 F

63 (2)

7,661

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)

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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)

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transacti	5. orNumber	6. Date Exercisable and 7. Title and Amo Expiration Date Underlying Secu			
Security	or Exercise	(Monus Buyi Tear)	any	Code	of	(Month/Day/Year) (Instr. 3 and 4)			
(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8)	Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	3			
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units 07LTIP	\$ 0	03/31/2009		M	0	01/21/2009	07/01/2017	Coremark Common Stock	0

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

SVP-U.S. Distribution

Signatures

/s/ Amy Morgan, POA 10/01/2009

**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).
- (1) Vesting of 230 shares was already reported on previous Form 4.
- (2) Shares withheld for taxes on vesting of performance shares previously reported in Table I.

Remarks:

Form amended to accurately reflect actual transactions that occurred on 3/31/2009 & 4/3/2009.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Reporting Owners 2

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