ALLEN ROBERT A Form 4/A April 03, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

Number: 3235-0287

Expires:

January 31, 2005

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Filed pursuant to Section 16(a)
Section 17(a) of the Public Utility

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).

(City)

Stock (4)

(State)

(Zip)

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading ALLEN ROBERT A Issuer Symbol Core-Mark Holding Company, Inc. (Check all applicable) [CORE] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner Officer (give title Other (specify (Month/Day/Year) below) 395 OYSTER POINT BLVD., 01/21/2009 **SUITE 415** (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person 03/04/2009 Form filed by More than One Reporting **SOUTH SAN** FRANCISCO, CA 94080

							1	- ,	•
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securi	ities		5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	onAcquired	d (A) c	or	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	Disposed	d of (D))	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and 5)		Owned	Indirect (I)	Ownership	
							Following	(Instr. 4)	(Instr. 4)
							Reported		
					(A)		Transaction(s)		
					or		(Instr. 3 and 4)		
			Code V	Amount	(D)	Price	,		
Coremark									
Common	01/21/2009		A	782	A	\$0	1,188	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)

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

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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 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. Transaction Code (Instr. 8)	5. Number on Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	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
07LTIP Stock Option	\$ 19.19 (1)	01/21/2009		A	1,488 (2)	01/01/2010(3)	07/01/2017	Coremark Common Stock	1,488

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

ALLEN ROBERT A 395 OYSTER POINT BLVD., SUITE 415 SOUTH SAN FRANCISCO, CA 94080

Signatures

Vicky Fong, POA 04/03/2009

**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) The exercise price was set at the closing price of the company's stock as reported by the NASDAQ Stock Market on January 21, 2009, the date the grant was approved.
- (2) Amended to correct an internal clerical error.
- (3) 100% vests on First Vesting Date.
- (4) This grant represents RSU's from the 2007 Long Term Incentive Plan that are subject to vesting prior to their conversion to common stock.

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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