Murray Christopher M Form 4 July 02, 2008

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

2. Issuer Name and Ticker or Trading

Core-Mark Holding Company, Inc.

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

Estimated average burden hours per

OMB APPROVAL

response...

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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

Symbol

[CORE]

(Month/Day/Year)

07/02/2008

1(b).

(Last)

SUITE 415

(Print or Type Responses)

1. Name and Address of Reporting Person * Murray Christopher M

(Middle)

(First)

395 OYSTER POINT BLVD.,

(Street)

(State)

3. Date of Earliest Transaction

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

Director

Issuer

10% Owner Officer (give title _ Other (specify below)

(Check all applicable)

5. Relationship of Reporting Person(s) to

SVP of Marketing

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

SOUTH SAN FRANCISCO, CA 94080

(City)	(State) (Z	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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	07/02/2008		Code V M	Amount 622 (1)	` /	Price \$ 0	2,267	D		
Coremark Common Stock	07/02/2008		M	194 (2)	A	\$ 0	2,461	D		
Coremark Common Stock	07/02/2008		S	99	D	\$ 25.65	2,362	D		
	07/02/2008		S	196	D		2,166	D		

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Coremark Common Stock					\$ 25.63		
Coremark Common Stock	07/02/2008	S	500	D	\$ 25.62	1,666	D
Coremark Common Stock	07/02/2008	S	21	D	\$ 25.61	1,645	D

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

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(9-02)

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. 5. Number Transactionof Code Derivative (Instr. 8) 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
Restricted Stock Units 07LTIP	\$ 0	07/02/2008		M		622	07/02/2008	07/01/2017	Coremark Common Stock	622
Restriced Stock Units 04 LTIP	\$ 0	07/02/2008		M		194	08/23/2005	08/23/2014	Coremark Common Stock	194

Reporting Owners

Reporting Owner Name / Address	Keiauonsnips						
	Director	10% Owner	Officer	Other			
Murray Christopher M			SVP of Marketing				

2 Reporting Owners

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

Signatures

Stacy

Loretz-Congdon, POA 07/02/2008

**Signature of Reporting
Person

Date

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) Sell sufficient to cover taxes
- (2) Sell sufficient to cover taxes

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.

Signatures 3