

Walsh Christopher L
 Form 4
 June 15, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Walsh Christopher L

2. Issuer Name and Ticker or Trading Symbol
 Core-Mark Holding Company, Inc.
 [CORE]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
 395 OYSTER POINT BLVD.,
 SUITE 415
 (Street)

3. Date of Earliest Transaction
 (Month/Day/Year)
 06/11/2010

____ Director
 ____ Officer (give title below)
 ____ 10% Owner
 ____ Other (specify below)
 Senior VP-US Distribution

SOUTH SAN
 FRANCISCO, CA 94080

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(City) (State) (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)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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)
			Code	V Amount (A) or (D) Price			
Coremark Common Stock	06/11/2010		M	11,803 A \$ 15.5	47,708	D	
Coremark Common Stock	06/11/2010		S	664 D \$ 27.55	47,044	D	
Coremark Common Stock	06/11/2010		S	600 D \$ 27.5533	46,444	D	
	06/11/2010		S	200 D \$ 27.56	46,244	D	

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Coremark Common Stock							
Coremark Common Stock	06/11/2010	S	1,405	D	\$ 27.57	44,839	D
Coremark Common Stock	06/11/2010	S	500	D	\$ 27.573	44,339	D
Coremark Common Stock	06/11/2010	S	200	D	\$ 27.5775	44,139	D
Coremark Common Stock	06/11/2010	S	200	D	\$ 27.5787	43,939	D
Coremark Common Stock	06/11/2010	S	498	D	\$ 27.58	43,441	D
Coremark Common Stock	06/11/2010	S	500	D	\$ 27.582	42,941	D
Coremark Common Stock	06/11/2010	S	200	D	\$ 27.585	42,741	D
Coremark Common Stock	06/11/2010	S	200	D	\$ 27.59	42,541	D
Coremark Common Stock	06/11/2010	S	200	D	\$ 27.605	42,341	D
Coremark Common Stock	06/11/2010	S	100	D	\$ 27.61	42,241	D
Coremark Common Stock	06/11/2010	S	536	D	\$ 27.62	41,705	D
Coremark Common Stock	06/11/2010	S	600	D	\$ 27.63	41,105	D
Coremark Common Stock	06/11/2010	S	400	D	\$ 27.6313	40,705	D
Coremark Common	06/11/2010	S	400	D	\$ 27.6375	40,305	D

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Stock

Coremark

Common 06/11/2010 S 200 D \$ 27.64 40,105 D
Stock

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. Transaction Code (Instr. 8)	5. Number of 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
04LTIP plan grtd 8-23-2004 NQ	\$ 15.5	06/11/2010		M	11,803	08/23/2005	08/23/2011	Coremark Common Stock	11,800

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

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

Senior VP-US
Distribution

Signatures

Amy Morgan, 06/15/2010
POA

**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.

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