Walsh Christopher L Form 4 November 25, 2009

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

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

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

2. Issuer Name and Ticker or Trading Symbol

Issuer

Core-Mark Holding Company, Inc.

(Check all applicable)

Senior VP-US Distribution

5. Relationship of Reporting Person(s) to

(Last)

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

Director Officer (give title

10% Owner Other (specify

395 OYSTER POINT BLVD.,

(Street)

SUITE 415

(Month/Day/Year)

below)

11/23/2009

[CORE]

6. Individual or Joint/Group Filing(Check

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

Applicable Line)

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

SOUTH SAN FRANCISCO, CA 94080

(City)	(State)	(Zip) Tabl	le I - Non-l	Derivative	Secu	rities Acquir	red, 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)	3. Transactic Code (Instr. 8)	omr Dispos (Instr. 3,	sed of		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	11/23/2009		M	8,000	A	\$ 15.5	33,419	D	
Coremark Common Stock	11/23/2009		S	4,000	D	\$ 29.5	29,419	D	
Coremark Common Stock	11/23/2009		S	4,000	D	\$ 29.9	25,419	D	
	11/25/2009		M	3,274	A	\$ 15.5	28,693	D	

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Coremark Common Stock

Coremark

3,274 D \$ 30.7484 25,419 D Common 11/25/2009

Stock

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

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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)	e 3A. Deemed Execution Date, if any (Month/Day/Year)	Code			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	11/23/2009		M		8,000	08/23/2005	08/23/2011	Coremark Common Stock	8,000
04LTIP plan grtd 8-23-2004 NQ	\$ 15.5	11/25/2009		M		3,274	08/23/2005	08/23/2011	Coremark Common Stock	3,274

Reporting Owners

Reporting Owner Name / Address	Relationships							
. 6	Director	10% Owner	Officer	Other				
Walsh Christopher L 395 OYSTER POINT BLVD., SUITE 415 SOUTH SAN FRANCISCO, CA 94080			Senior VP-US Distribution					

2 Reporting Owners

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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