

WALSH J MICHAEL  
 Form 4  
 November 29, 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 J MICHAEL**

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

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 11/24/2010

\_\_\_\_ Director  
 \_\_\_\_ Officer (give title below)  
 \_\_\_\_ 10% Owner  
 \_\_\_\_ Other (specify below)  
 President and CEO

(Street)  
 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 Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Coremark Common Stock	11/24/2010		M	6,215 A \$ 15.5	51,250	D	
Coremark Common Stock	11/24/2010		M <sup>(1)</sup>	200 D \$ 35.2601	51,050	D	
Coremark Common Stock	11/24/2010		M	100 D \$ 35.28	50,950	D	
	11/24/2010		M	100 D \$ 35.29	50,850	D	

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Coremark Common Stock							
Coremark Common Stock	11/24/2010	M	800	D	\$ 35.3	50,050	D
Coremark Common Stock	11/24/2010	M	590	D	\$ 35.31	49,460	D
Coremark Common Stock	11/24/2010	M	500	D	\$ 35.32	48,960	D
Coremark Common Stock	11/24/2010	M	410	D	\$ 35.33	48,550	D
Coremark Common Stock	11/24/2010	M	200	D	\$ 35.34	48,350	D
Coremark Common Stock	11/24/2010	M	385	D	\$ 35.35	47,965	D
Coremark Common Stock	11/24/2010	M	103	D	\$ 35.36	47,862	D
Coremark Common Stock	11/24/2010	M	204	D	\$ 35.38	47,658	D
Coremark Common Stock	11/24/2010	M	212	D	\$ 35.39	47,446	D
Coremark Common Stock	11/24/2010	M	402	D	\$ 35.4	47,044	D
Coremark Common Stock	11/24/2010	M	290	D	\$ 35.41	46,754	D
Coremark Common Stock	11/24/2010	M	300	D	\$ 35.42	46,454	D
Coremark Common Stock	11/24/2010	M	100	D	\$ 35.46	46,354	D
Coremark Common	11/24/2010	M	100	D	\$ 35.48	46,254	D

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Stock								
Coremark Common Stock	11/24/2010		M	2	D	\$ 35.49	46,252	D
Coremark Common Stock	11/24/2010		M	100	D	\$ 35.53	46,152	D
Coremark Common Stock	11/24/2010		M	500	D	\$ 35.54	45,652	D
Coremark Common Stock	11/24/2010		M	200	D	\$ 35.55	45,452	D
Coremark Common Stock	11/24/2010		M	100	D	\$ 35.63	45,352	D
Coremark Common Stock	11/24/2010		M	9	D	\$ 35.64	45,343	D
Coremark Common Stock	11/24/2010		M	200	D	\$ 35.68	45,143	D
Coremark Common Stock	11/24/2010		M	6	D	\$ 35.69	45,137	D
Coremark Common Stock	11/24/2010		M	102	D	\$ 35.37	45,035	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. 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)
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			Code	V	(A)	(D)	Date	Expiration	Title	Amount
							Exercisable	Date		or Number of Shares
04LTIP plan grtd 8-23-2004 NQ	\$ 15.5	11/24/2010	M				08/23/2005	08/23/2011	Coremark Common Stock	6,215

### Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
WALSH J MICHAEL 395 OYSTER POINT BLVD., SUITE 415 SOUTH SAN FRANCISCO, CA 94080			President and CEO	

### Signatures

Amy Morgan,  
POA  
11/29/2010  
 \*\*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) This sale and all subsequent sales reported on this Form 4 are pursuant to a 10b5-1 program.

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.