WALSH J MICHAEL

Check this box

if no longer

subject to

Section 16.

Form 4

November 29, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Washington, D.C. 20549

Form 4 or Form 5 obligations may continue. See Instruction

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).

(Print or Type Responses)

1. Name and Address of Reporting Person ** WALSH J MICHAEL			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
			Core-Mark Holding Company, Inc. [CORE]	(Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	Director 10% Owner Officer (give title Other (specify		
395 OYSTER POINT BLVD., SUITE 415		LVD.,	11/24/2010	below) below) President and CEO		
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check Applicable Line)		
			Filed(Month/Day/Year)			
SOLITH SAN				_X_ Form filed by One Reporting Person Form filed by More than One Reporting		

Person

SOUTH SAN FRANCISCO, CA 94080

(City)	(State)	(Zip) Tabl	le I - Non-D	Derivative	Secui	ities 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. Transaction Code (Instr. 8)		sed of 4 and (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	11/24/2010		M	6,215	A	\$ 15.5	51,250	D	
Coremark Common Stock	11/24/2010		M <u>(1)</u>	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	

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

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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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5. Number	6. Date Exercisable and	7. Title and Amount of
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onof Derivative	Expiration Date	Underlying Securities
Security	or Exercise		any	Code	Securities	(Month/Day/Year)	(Instr. 3 and 4)
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired		
	Derivative				(A) or		
	Security				Disposed of		
					(D)		

(Instr. 3, 4, and 5)

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			Code V (A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
04LTIP plan grtd 8-23-2004	\$ 15.5	11/24/2010	М	6,215	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 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) This sale and all subsequent sales reported on this Form 4 are pursuant to a 10b5-1 program.

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