WALSH J MICHAEL

Check this box

if no longer

subject to

Section 16.

Form 4 or

Form 4

December 02, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB

OMB APPROVAL

Number:

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January 31, 2005

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SECURITIES

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.

(Check all applicable)

[CORE]

(Last)

SUITE 415

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

Director 10% Owner Officer (give title Other (specify

(Month/Day/Year)

below) President and CEO

11/30/2010

(Street)

4. If Amendment, Date Original

Code V

M

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

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

Person

SOUTH SAN FRANCISCO, CA 94080

> (City) (State)

395 OYSTER POINT BLVD.,

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

11/30/2010

(Zip)

3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of 6. Securities Ownership Beneficially Owned (D) or Following Indirect (I)

7. Nature of Indirect Form: Direct Beneficial Ownership (Instr. 4)

(A) or (D) Price

Reported Transaction(s)

(Instr. 3 and 4)

Coremark Common

Stock

Amount 30,000 (1)

15.5

75,035

D

(Instr. 4)

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

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SEC 1474 (9-02)

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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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number of tionDerivative 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 Share
04LTIP plan grtd 8-23-2004 NQ	\$ 15.5	11/30/2010		M	30	0,000	08/23/2005	08/23/2011	Coremark Common Stock	30,00

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 12/02/2010

**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) Exercised per Sec. 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.

Reporting Owners 2