WALSH J MICHAEL Form 4

Check this box

if no longer

subject to

Section 16.

April 03, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

Estimated average burden hours per

OMB APPROVAL

response...

Form 4 or Form 5 obligations may continue.

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 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * WALSH J MICHAEL

(First)

(Street)

2. Issuer Name and Ticker or Trading

Symbol

Core-Mark Holding Company, Inc.

[CORE]

(Check all applicable)

President and CEO

5. Relationship of Reporting Person(s) to

(Middle) 3. Date of Earliest Transaction

> (Month/Day/Year) 03/31/2009

Officer (give title below)

Director

Issuer

10% Owner Other (specify

395 OYSTER POINT BLVD.,

SUITE 415

(Last)

4. If Amendment, Date Original

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

3. Transaction(A) or Disposed of Code (D)

4. Securities Acquired 5. Amount of Securities Beneficially (D) or Owned Following

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

(Month/Day/Year)

(Instr. 8) (Instr. 3, 4 and 5)

Reported (A) Transaction(s) or Code V Amount (D) Price

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

(Instr. 3 and 4)

Coremark Common

Stock

(Instr. 3)

04/02/2009

230 M

15,557

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)

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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. Transact Code (Instr. 8) | Derivative | | 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 |
| Restricted Stock Units 07LTIP | \$ 0 | 03/31/2009 | | M | | 230 | 01/21/2009 | 07/01/2017 | Coremark Common Stock | 230 |

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

Vicky Fong, POA 04/03/2009

**Signature of Date
Reporting Person

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

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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^{**} Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).