

Rolheiser Eric
Form 4
April 04, 2011

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2005
Estimated average burden hours per response... 0.5

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 *
Rolheiser Eric

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)

3. Date of Earliest Transaction (Month/Day/Year)
03/31/2011

____ Director _____ 10% Owner
____ Officer (give title below) _____ Other (specify below)
President - Canada Operations

395 OYSTER POINT BLVD.,
SUITE 415

(Street)

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

6. Individual or Joint/Group Filing(Check Applicable Line)
X Form filed by One Reporting Person
___ Form filed by More than One Reporting Person

SOUTH SAN
FRANCISCO, CA 94080

(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)	
				(A) or (D)	Price			
				Code	V	Amount		
Coremark Common Stock	03/31/2011		M	333	A	\$ 0.01	4,965	D
Coremark Common Stock	03/31/2011		M	458	A	\$ 0.01	5,423	D
Coremark Common Stock	03/31/2011		F	127 ⁽¹⁾	D	\$ 33.05	5,296	D
	03/31/2011		F	347 ⁽²⁾	D		4,949	D

Coremark
Common
Stock \$
33.05

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 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)	8. Amount or Number of Shares
Restricted Stock Units 07LTIP	\$ 0.01	03/31/2011		M	333	02/01/2011 01/21/2016	Coremark Common Stock	333
Restricted Stock Units 07LTIP	\$ 0.01	03/31/2011		M	458	02/01/2011 01/20/2017	Coremark Common Stock	458

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Rolheiser Eric
395 OYSTER POINT BLVD., SUITE 415
SOUTH SAN FRANCISCO, CA 94080

President -
Canada
Operations

Signatures

Amy Morgan,
POA 04/04/2011

Date

__Signature of
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) Shares withheld for taxes on Performance RSU Vesting previously reported in Table I
- (2) Shares withheld for taxes on RSU Vesting

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.
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