

FORM 4**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Perkins Thomas B</u> (Last) (First) (Middle) <u>395 OYSTER POINT BLVD., SUITE 415</u> (Street) <u>SOUTH SAN FRANCISCO CA 94080</u> (City) (State) (Zip)			2. Issuer Name and Ticker or Trading Symbol <u>Core-Mark Holding Company, Inc. [CORE]</u> 3. Date of Earliest Transaction (Month/Day/Year) <u>06/30/2014</u> 4. If Amendment, Date of Original Filed (Month/Day/Year) <u>07/02/2014</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>President and CEO</u> 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person		
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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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Coremark Common Stock	06/30/2014		M		1,082	A	\$0.005	91,566	D	
Coremark Common Stock	06/30/2014		M		1,668	A	\$0.005	93,234	D	
Coremark Common Stock	06/30/2014		F		1,278 ⁽¹⁾⁽²⁾	D	\$45.63	91,956	D	
Coremark Common Stock	06/30/2014		F		467 ⁽³⁾⁽¹⁾	D	\$45.63	91,489	D	

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
						Date Exercisable	Expiration Date					
RSU 10LTIP GR 2012	\$0.005	06/30/2014		M	1,082	01/18/2013	01/18/2019	Coremark common stock	\$0	2,168	D	
RSU GRANT JAN 2013	\$0.005	06/30/2014		M	1,668	01/18/2014	01/18/2020	Coremark common stock	\$0	10,000	D	

Explanation of Responses:

1. Share amount adjusted to reflect correct tax withholding on RSU release.
 2. Shares withheld for taxes on RSU Vesting
 3. Shares withheld for taxes on Performance RSU Vesting previously reported in Table I

Chris Miller, POA08/20/2014

** Signature of Reporting Person Date

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

* 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).

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.