Core-Mark Holding Company, Inc. Form SC 13D/A March 17, 2011

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

#### SCHEDULE 13D (Rule 13d-101)

#### INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO § 240.13d-1(a) AND AMENDMENTS THERETO FILED PURSUANT TO § 240.13d-2(a)

(Amendment No. 2)1

Core-Mark Holding Company, Inc.

(Name of Issuer)

Common Stock, \$0.01 par value (Title of Class of Securities)

> 218681104 (CUSIP Number)

Jerome J. Lande MMI Investments, L.P. 1370 Avenue of the Americas New York, New York 10019 (212) 586-4333 (Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

March 15, 2011 (Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box ".

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See § 240.13d-7 for other parties to whom copies are to be sent.

<sup>1</sup> The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act

but shall be subject to all other provisions of the Act (however, see the Notes).

1	NAME OF REPORTING PERSON			
2	MMI Investments, L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A (a) x GROUP (b) o			
3	SEC USE ONL	Y		
4	SOURCE OF FUNDS			
5	WC CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS " IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)			
6	CITIZENSHIP OR PLACE OF ORGANIZATION			
NUMBER OF SHARES	Delaware	7	SOLE VOTING POWER	
BENEFICIALLY OWNED BY EACH		8	362,300 SHARED VOTING POWER	
REPORTING PERSON WITH		9	- 0 - SOLE DISPOSITIVE POWER	
		10	362,300 SHARED DISPOSITIVE POWE	R
11	AGGREGATE	AMOUNT BEN	- 0 - EFICIALLY OWNED BY EACH	REPORTING PERSON
12	362,300 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) o EXCLUDES CERTAIN SHARES			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)			
14	3.2% TYPE OF REPORTING PERSON			
	PN			

1	NAME OF REPORTING PERSON			
2 3	MMI Plus, L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A (a) x GROUP (b) o SEC USE ONLY			
4	SOURCE OF FUNDS			
5	WC CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS " IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)			
6	CITIZENSHIP OR PLACE OF ORGANIZATION			
NUMBER OF SHARES	Delaware	7	SOLE VOTING POWER	
BENEFICIALLY OWNED BY EACH		8	1,375 SHARED VOTING POWER	
REPORTING PERSON WITH		9	- 0 - SOLE DISPOSITIVE POWER	
		10	1,375 SHARED DISPOSITIVE POWE	R
11	AGGREGATE	AMOUNT BEN	- 0 - EFICIALLY OWNED BY EACH	REPORTING PERSON
12	1,375 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) o EXCLUDES CERTAIN SHARES			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)			
14	Less than 1% TYPE OF REPORTING PERSON			
	PN			

1	NAME OF REPORTING PERSON			
2 3	MCM Capital Management, LLC CHECK THE APPROPRIATE BOX IF A MEMBER OF A (a) x GROUP (b) o			
5	SEC USE ONLY			
4	SOURCE OF FUNDS			
5	AF CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS " IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)			
6	CITIZENSHIP OR PLACE OF ORGANIZATION			
NUMBER OF SHARES	Delaware	7	SOLE VOTING POWER	
BENEFICIALLY OWNED BY EACH		8	363,675 SHARED VOTING POWER	
REPORTING PERSON WITH		9	- 0 - SOLE DISPOSITIVE POWER	
		10	363,675 SHARED DISPOSITIVE POWE	R
11	AGGREGATE	AMOUNT BEN	- 0 - EFICIALLY OWNED BY EACH	REPORTING PERSON
12	363,675 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) o EXCLUDES CERTAIN SHARES			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)			
14	3.2% TYPE OF REPORTING PERSON			
	00			

1	NAME OF REPORTING PERSON			
2 3	Clay B. LifflanderCHECK THE APPROPRIATE BOX IF A MEMBER OF AGROUPSEC USE ONLY			
4	SOURCE OF FUNDS			
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS " IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)			
6	CITIZENSHIP OR PLACE OF ORGANIZATION			
NUMBER OF SHARES	USA	7	SOLE VOTING POWER	
BENEFICIALLY OWNED BY EACH		8	- 0 -1 SHARED VOTING POWER	
REPORTING PERSON WITH		9	- 0 - SOLE DISPOSITIVE POWER	
		10	- 0 -1 SHARED DISPOSITIVE POWE	R
11	- 0 - AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
12	- 0 -1 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) o EXCLUDES CERTAIN SHARES			
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)			
14	0%1 TYPE OF REPORTING PERSON			
	IN			

1 See Item 5.

The following constitutes Amendment No. 2 to the Schedule 13D filed by the undersigned ("Amendment No. 2"). This Amendment No. 2 amends the Schedule 13D as specifically set forth.

Item 2.

Identity and Background.

Item 2 is hereby amended and restated to read as follows:

(a) This statement is being filed on behalf of (i) MMI Investments, L.P., a Delaware limited partnership ("MMI Investments"), (ii) MMI Plus, L.P., a Delaware limited partnership ("MMI Plus"), (iii) MCM Capital Management, LLC, a Delaware limited liability company that is the sole general partner of MMI Investments and MMI Plus ("MCM") and (iv) Clay B. Lifflander ("Mr. Lifflander"). Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons." Set forth on Schedule I, annexed to this Statement and incorporated herein by reference, is the name, business address and present principal occupation or employment, and the name and address of any corporation or other organization in which such occupation or employment is conducted, of each voting member (each of whom is also an executive officer) of MCM as of the date hereof.

(b) The principal business address of MMI Investments, MMI Plus, MCM and Mr. Lifflander is 1370 Avenue of the Americas, New York, New York 10019.

(c) MMI Investments and MMI Plus are engaged primarily in the business of investing in publicly traded securities. MCM is the sole general partner of MMI Investments and MMI Plus and its principal business is investing in publicly traded securities. The principal occupation of Mr. Lifflander is serving as President of MCM.

(d) No Reporting Person nor, to each Reporting Person's knowledge, any individual listed on Schedule I, is required to disclose legal proceedings pursuant to Item 2(d) of Schedule 13D.

(e) No Reporting Person nor, to each Reporting Person's knowledge, any individual listed on Schedule I, is required to disclose legal proceedings pursuant to Item 2(e) of Schedule 13D.

(f) To each Reporting Person's knowledge, each of the individuals identified on Schedule I is a citizen of the United States.

Item 3. Source and Amount of Funds or Other Consideration.

Item 3 is hereby amended and restated to read as follows:

The aggregate purchase price of the 362,300 Shares owned by MMI Investments is \$11,328,302; the source of funds is MMI Investments' working capital. The aggregate purchase price of the 1,375 Shares owned by MMI Plus is \$49,848; the source of funds is MMI Plus' working capital.

MMI Investments and MMI Plus effect purchases of securities primarily through margin accounts maintained for them with prime brokers, which may extend margin credit to them as and when required to open or carry positions in the margin accounts, subject to applicable federal margin regulations, stock exchange rules and the prime brokers' credit policies. In such instances, the positions held in the margin accounts are pledged as collateral security for the repayment of debit balances in the accounts.

Item 5.

Interest in Securities of the Issuer.

Item 5 is hereby amended and restated to read as follows:

(a)-(b) The aggregate percentage of Shares reported owned by each Reporting Person is based upon 11,282,056 Shares outstanding as of February 28, 2011, which is the total number of Shares outstanding as reported in the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on March 15, 2011.

As of the close of business on March 16, 2011, MMI Investments directly owned 362,300 Shares, constituting approximately 3.2% of the Shares outstanding. MMI Investments has the sole power to direct the vote and disposition of such Shares on the date of this Statement. As of the close of business on March 16, 2011, MMI Plus directly owned 1,375 Shares, constituting less than 1% of the Shares outstanding. MMI Plus has the sole power to direct the vote and disposition of such Shares on the date of this Statement. MCM does not directly own any Shares. However, by virtue of being the general partner of MMI Investments and MMI Plus, MCM may be deemed to be the beneficial owner of the Shares owned by MMI Investments and MMI Plus and to have sole power over the voting and disposition of such Shares as a result of its having the sole power to make voting and disposition decisions on behalf of MMI Investments and MMI Plus with respect to such Shares. MCM disclaims beneficial ownership of such Shares, except to the extent of its pecuniary interest therein. Mr. Lifflander does not directly own any Shares. However, as a member of a "group" for the purposes of Rule 13d-5(b)(1) of the Securities Exchange Act of 1934, as amended, Mr. Lifflander may be deemed to beneficial ownership of such Shares owned by MMI Investments of such Shares, except to the extent of his pecuniary beneficial ownership of such Shares owned by MMI Investments and MMI Plus. Mr. Lifflander disclaims beneficial ownership of such Shares is a member of a "group" for the purposes of Rule 13d-5(b)(1) of the securities Exchange Act of 1934, as amended, Mr. Lifflander disclaims beneficial ownership of such Shares, except to the extent of his pecuniary beneficial ownership of such Shares, except to the extent of his pecuniary interest therein.

Except as described above, as of the date hereof, to each Reporting Person's knowledge, none of the persons listed on Schedule I owns any Shares or has any right to acquire, directly or indirectly, any beneficial ownership of Shares.

(c) Except for the open market sales of Shares by MMI Investments set forth in Schedule II attached hereto and incorporated herein by reference, there have been no transactions with respect to the Shares during the past 60 days by MMI Investments, MMI Plus, MCM or Mr. Lifflander, or, to each Reporting Person's knowledge, any of the persons listed on Schedule I.

(d) No person other than the Reporting Persons is known to have the right to receive, or the power to direct the receipt of dividends from, or proceeds from the sale of, such Shares.

(e) As of March 15, 2011, the Reporting Persons ceased to be the beneficial owners of more than 5% of the Shares of the Issuer.

#### SIGNATURES

After reasonable inquiry and to the best of his knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: March 17, 2011

MMI INVESTMENTS, L.P.			
By:	MCM Capital Management, LLC General Partner		
By:	/s/ Jerome J. Lande Jerome J. Lande Executive Vice President		
MMI PLUS, L.P.			
By:	MCM Capital Management, LLC General Partner		
By:	/s/ Jerome J. Lande Jerome J. Lande Executive Vice President		
MCM CAPITAL MANAGEMENT, LLC			
By:	/s/ Jerome J. Lande Jerome J. Lande Executive Vice President		
/s/ Clay B. Lifflander Clay B. Lifflander			

### SCHEDULE I

MCM Capital Management, LLC ("MCM") Voting Members and Executive Officers

Name and Business Address	Position and Principal Occupation
John S. Dyson 1370 Avenue of the Americas New York, New York 10019	Voting Member and Chairman of MCM; Voting Member and Chairman of Millcap Advisors, LLC ("Millcap"), a Delaware limited liability company 1370 Avenue of the Americas, New York, New York 10019
Clay B. Lifflander 1370 Avenue of the Americas New York, New York 10019	Voting Member and President of MCM; Voting Member and President of Millcap

# SCHEDULE II

### Transactions in the Shares During the Past 60 Days

Shares of Common Stock Purchased / (Sold)	Price Per Share(\$) MMI Investments, L.P.	Date of Purchase / Sale
(313,000)	33.50	3/15/2011
(75,000)	32.16	3/16/2011