Kayne Anderson MLP Investment CO Form 4

August 09, 2013

FORM 4

if no longer

subject to

Section 16.

Form 4 or

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 Check this box

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **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 * McCarthy Kevin S

2. Issuer Name and Ticker or Trading Symbol

Kayne Anderson MLP Investment CO [KYN]

3. Date of Earliest Transaction

(Month/Day/Year) 08/08/2013

5. Relationship of Reporting Person(s) to

Issuer

below)

(Check all applicable)

Chairman, President and CEO

10% Owner

Other (specify

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

C/O KAYNE ANDERSON CAPITAL ADVISORS, LP, 1800

AVENUE OF THE STARS, THIRD **FLOOR**

(Street)

(State)

08/08/2013

(First)

(Middle)

(Zip)

(City)

Common

Stock

Stock

(Last)

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

_X__ Director

X_ Officer (give title

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

LOS ANGELES, CA 90067

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)

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

(A)

or

5. Amount of Securities Beneficially Owned Following Reported Transaction(s)

Ownership Form: Direct (D) or Indirect (I)

7. Nature of Indirect Beneficial Ownership (Instr. 4)

(Instr. 4)

(Instr. 3 and 4)

Amount (D) Price \$ 15,000 D 82,109 35.74

Common 8,203 I

Code

P

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

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 control

SEC 1474 (9-02)

Spouse

1

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number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration Date		Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3 and 4)			Owne
	Security				Acquired					Follo	
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
									Amount		
						Date	Expiration Date	or Title Number of			
						Exercisable					
				Codo V	(A) (D)						
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
McCarthy Kevin S C/O KAYNE ANDERSON CAPITAL ADVISORS,							
LP	X		Chairman, President and CEO				
1800 AVENUE OF THE STARS, THIRD FLOOR							
LOS ANGELES, CA 90067							

Relationshins

Signatures

Kevin S.

McCarthy

**Signature of Reporting Person

08/09/2013

Date

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).

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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