Kayne Anderson MLP Investment CO Form 4

December 28, 2015

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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if no longer subject to Section 16. Form 4 or Form 5 obligations

Check this box

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)

may continue.

See Instruction

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading KA Fund Advisors LLC Symbol

(Zip)

Issuer Kayne Anderson MLP Investment

(Check all applicable)

Investment Advisor of Company

(Last) (First) (Middle)

(Street)

(State)

(Month/Day/Year) 12/23/2015

CO [KYN]

Director 10% Owner __X_ Other (specify Officer (give title below) below)

5. Relationship of Reporting Person(s) to

1800 AVENUE OF THE STARS, 3RD FLOOR

4. If Amendment, Date Original

3. Date of Earliest Transaction

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

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

LOS ANGELES, CA 90067

(City)

	Tubic 1 Ton Derivative Securities required,							a, Disposed of, of Deficiently Owned			
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	· · · · · · · · · · · · · · · · · · ·			d of (Ľ		5. Amount of Securities Beneficially	6. Ownership Form:	7. Nature of Indirect Beneficial		
(msu. 3)		any (Month/Day/Year)	Code (Instr. 8)				Owned Following	Direct (D) or Indirect	Ownership (Instr. 4)		
					(A) or		Reported Transaction(s)	(I) (Instr. 4)			
			Code V	Amount	(D)	Price	(Instr. 3 and 4)				
Common Stock	12/23/2015		<u>J(1)</u>	665,037	A	\$ 15.09	665,037	D			
Common Stock	12/23/2015		<u>J(2)</u>	665,037	A	\$0	0	D			

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

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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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ties	(Instr. 5)	Bene
	Derivative			Securities				(Instr.	3 and 4)		Own
	Security			Acquired							Follo
	·				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A		
									Amount		
					(A) (D)	Date	Expiration Date	or Title Numb of			
						Exercisable					
				C 1 W							
				Code V	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Officer Other Director 10% Owner

KA Fund Advisors LLC 1800 AVENUE OF THE STARS 3RD FLOOR LOS ANGELES, CA 90067

Investment Advisor of Company

Signatures

David J. Shladovsky, General Counsel

12/28/2015

**Signature of Reporting Person

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).
- Purchase of newly issued shares of the Company by KA Fund Advisors, LLC (KAFA) and its principals funded in part by the investment (1) of 100% of the after-tax management fees received during the quarter. The purchase price was the greater of market price and net asset value as of the close of business on Friday, December 18.
- (2) Distribution to the principals of KAFA in connection with the previously noted purchase.

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.

Reporting Owners 2