Kayne Anderson MLP Investment CO Form 4 December 28, 2015

December 28	, 2015									
FORM 4 UNITED STATES SECURITIES AND EXCHANCE COMMISSION							-	OMB APPROVAL		
Washington, D.C. 20549						OMB Number:	3235-0287			
Check this if no long subject to Section 16 Form 4 or	er STATEM 5.		F CHANGES IN BENEFICIAL OW SECURITIES					Expires:January 31 2005Estimated averageburden hours per response0.5		
Form 5 obligation may conti <i>See</i> Instru 1(b).	s Section 17(a)	uant to Section) of the Public U 30(h) of the I	Jtility Hold	ling Com	pany	Act o	of 1935 or Section	n		
(Print or Type R	esponses)									
1. Name and Ad LOGAN RO	- 2.1554	2. Issuer Name and Ticker or Trading Symbol Kayne Anderson MLP Investment CO [KYN]				5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Mo			3. Date of Earliest Transaction (Month/Day/Year)				Director 10% Owner X Officer (give title Other (specify below)			
PO BOX 131574			12/23/2015				Senior VP			
(Street)			4. If Amendment, Date Original				6. Individual or Joint/Group Filing(Check			
HOUSTON,	TX 77219	Filed(M	onth/Day/Year))			Applicable Line) _X_ Form filed by 0 Form filed by M Person	One Reporting Po fore than One Ro		
(City)	(State) (Z	Zip) Tal	ole I - Non-D	erivative S	ecuri	ties Ac	quired, Disposed of	f, or Beneficia	lly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, i any (Month/Day/Year	Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5) (A)		Securities Beneficially Owned	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
Common			Code V	Amount	or (D)	Price	(Instr. 3 and 4)			
Common Stock	12/23/2015		J <u>(1)</u>	1,214	Α	\$0	8,840	D		

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 number.

 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)	3. Transaction Date (Month/Day/Year)	Code	5. orNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Amou Under Secur	rlying	8. Price of Derivative Security (Instr. 5)	9. Nu Deri Secu Bene Own Follo Repo Tran (Inst
		Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Edgar Filing: Kayne Anderson MLP Investment CO - Form 4

Reporting Owners

Reporting Owner Name / Addr	ess	Relationships							
	Director	10% Owner	Officer	Other					
LOGAN RON M JR PO BOX 131574 HOUSTON, TX 77219			Senior VP						
Signatures									
Ron Logan	12/28/2015								

<u>**</u>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).

Distribution from KA Fund Advisors, LLC (KAFA) in connection with the purchase of newly issued shares of the Company by KAFA
(1) and its principals funded in part by the investment 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.

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.