Kayne Anderson MLP Investment CO Form 4/A November 27, 2007

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION								OMB APPROVAL			
Washington, D.C. 20549							OMB Number:	3235-0287			
Check this if no long subject to Section 10 Form 4 or	er STATEM 5.	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES							January 31, 2005 verage rs per 0.5		
Form 4 or Form 5 obligations may continue. See Instruction 1(b). 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											
(Print or Type Responses)											
1. Name and Ad McCarthy K	ddress of Reporting I evin S	Symb	2. Issuer Name and Ticker or Trading Symbol Kayne Anderson MLP Investment				5. Relationship of Reporting Person(s) to Issuer				
		•	KYN]				(Check all applicable)				
(Last)		(Mon	B. Date of Earliest Transaction Month/Day/Year)				_X_ Director 10% Owner _X_ Officer (give title Other (specify below) below)				
C/O KAYNE ANDERSON 11/26/2007 CAPITAL ADVISORS, LP, 1800 AVENUE OF THE STARS, SECOND FLOOR							, President and	CEO			
	(Street) 4. If Amendment, Date Original Filed(Month/Day/Year) 11/27/2007					6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person					
LOS ANGELES, CA 90067 Form filed by M Person							fore than One Re	porting			
(City)	(State)	(Zip) 1	able I - Non-	Derivative	Secur	ities Acq	uired, Disposed of	, or Beneficial	ly Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, any (Month/Day/Ye	Code ur) (Instr. 8)		ispose 4 and (A) or	d of (D) 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)			
Common Stock	11/26/2007		Code V P	Amount 3,000	(D) A	Price \$ 26.84	31,000	D			
Common Stock							5,000	Ι	By spouse.		

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

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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 Derivative Security (Instr. 3)	e Conversion (Month/Day/Year) Execution Date, if or Exercise any		Execution Date, if	4. Transactic Code (Instr. 8)	5. orNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Expira (Mont) e	6. Date Exercisable and Expiration Date (Month/Day/Year)			tle and unt of rlying rities : 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secu Bene Owno Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exerci	isable	Expiration Date	Title	Amount or Number of Shares		
Reporting Owners												
Reporting Owner Name / Address			Relationships									
McCarthy	/ Kevin S			Director	10% Owi	ner C	Officer				Other	
C/O KAYNE ANDERSON CAPITAL ADVISORS, LP 1800 AVENUE OF THE STARS, SECOND FLOOR LOS ANGELES, CA 90067			Х		Chairman, Presi			.dent {	and CEO)		
Signa	tures											
Kevin S. McCarthy	7	11/27/200	17									

<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).

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.