### Edgar Filing: KAYNE RICHARD A - Form 4

KAYNE RI	CHARD A										
Form 4	07										
April 17, 20									OMB AF	PROVAL	
	UNITE	) STATES		RITIES A shington,			NGE C	OMMISSION	OMB Number:	3235-0287	
Check th if no lon subject to Section 1 Form 4 of Form 5 obligation may con <i>See</i> Instr 1(b).	Section 1 Public U	GES IN SECUR 6(a) of the tility Hold vestment	January 31, 2005 Estimated average burden hours per response 0.5								
(Print or Type	Responses)										
1. Name and Address of Reporting Person <u>*</u> KAYNE RICHARD A			2. Issuer Name <b>and</b> Ticker or Trading Symbol Kayne Anderson MLP Investment CO [KYN]					5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) 1800 AVEN STARS, SE	3. Date of Earliest Transaction (Month/Day/Year) 04/09/2007					Director10% Owner Officer (give titleXOther (specify below) below) CEO of Investment Adviser					
				endment, Da hth/Day/Year	-			6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Tabl	e I - Non-D	erivative S	Securi	ties Acq	uired, Disposed of,	or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Da (Month/Day/Yea	ansaction Date 2A. Deemed		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)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	04/09/2007			Code V S	Amount 23,500	(D) D	Price \$ 35.08	(Instr. 3 and 4) 190,472	D		
Common Stock	04/10/2007			S	36,300	D	\$ 34.96	154,172	D		
Common Stock	04/11/2007			S	11,200	D	\$ 35.07	142,972	D		

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

Persons who respond to the collection of<br/>information contained in this form are not<br/>required to respond unless the formSEC 1474<br/>(9-02)

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#### 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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. ofNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Titl Amou Under Securi (Instr.	int of lying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secu Bene Own Follo Repo Trans (Instr
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

# **Reporting Owners**

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
KAYNE RICHARD A 1800 AVENUE OF THE STARS SECOND FLOOR LOS ANGELES, CA 90067				CEO of Investment Adviser			
Signatures							
D'1 14							

Richard A. 04/17/2007 Kayne

\*\*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.