Kayne Anderson MLP Investment CO Form 4 July 05, 2007

#### **OMB APPROVAL**

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

**OMB** 3235-0287 Number:

January 31,

if no longer subject to Section 16. Form 4 or

Check this box

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Expires: 2005 Estimated average burden hours per response... 0.5

Form 5 obligations may continue.

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

**SECURITIES** 

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person \* 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Frey John C Issuer Symbol Kayne Anderson MLP Investment (Check all applicable) CO [KYN] 10% Owner (Last) (First) (Middle) 3. Date of Earliest Transaction Director X\_ Officer (give title Other (specify (Month/Day/Year) below) C/O KAYNE ANDERSON 07/05/2007 Assistant Secretary CAPITAL ADVISORS LP, 1800 AVENUE OF THE STARS (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) \_X\_ Form filed by One Reporting Person Form filed by More than One Reporting LOS ANGELES, CA 90067 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 7. Nature of 4. Securities Acquired 5. Amount of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct Beneficial (Month/Day/Year) (Instr. 8) Owned (D) or Ownership **Following** Indirect (I) (Instr. 4) Reported (Instr. 4) (A) Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price Common 07/05/2007 P 14,500 D 2,000 34.396 Stock

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)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)

### Edgar Filing: Kayne Anderson MLP Investment CO - Form 4

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 D	ate Amo		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				Securi	ties	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security			Acquired			`			Follo	
	Ž				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
					, ,						
									Amount		
						Date Expirati Exercisable Date	Expiration		or		
							*	Title Num of	Number		
							Date		of		
				Code V	(A) (D)				Shares		

# **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Frey John C C/O KAYNE ANDERSON CAPITAL ADVISORS LP 1800 AVENUE OF THE STARS LOS ANGELES, CA 90067

**Assistant Secretary** 

## **Signatures**

John C. Frey 07/05/2007

\*\*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.

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