

Kayne Anderson MLP Investment CO  
 Form 4  
 March 18, 2011

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

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 Address of Reporting Person \*  
**BANK OF AMERICA CORP /DE/**

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)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
**05/06/2010**

\_\_\_ Director \_\_\_X\_\_\_ 10% Owner  
 \_\_\_ Officer (give title below) \_\_\_ Other (specify below)

**BANK OF AMERICA  
 CORPORATE CENTER, 100 N.  
 TRYON STREET**

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 \_\_\_ Form filed by One Reporting Person  
 \_\_\_X\_\_\_ Form filed by More than One Reporting Person

**CHARLOTTE, NC 28255**

(City) (State) (Zip)

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 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)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
			Code	V	Amount or Price					
Common Stock	05/06/2010		P		200	A	\$ 25.2	200	I	By Subsidiary
Common Stock	05/06/2010		P		200	A	\$ 25.24	400	I	By Subsidiary
Common Stock	05/06/2010		P		200	A	\$ 25.25	600	I	By Subsidiary
Common Stock	05/06/2010		P		200	A	\$ 25.32	800	I	By Subsidiary
	05/06/2010		P		200	A		1,000	I	

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Common Stock					\$ 25.33				By Subsidiary
Common Stock	05/06/2010	P	20	A	\$ 27.11	1,020	I		By Subsidiary
Common Stock	05/06/2010	P	3	A	\$ 27.19	1,023	I		By Subsidiary
Common Stock	05/06/2010	S	1,000	D	\$ 25.05	23	I		By Subsidiary
Common Stock	05/06/2010	S	1	D	\$ 25.08	22	I		By Subsidiary
Common Stock	05/06/2010	S	1	D	\$ 25.09	21	I		By Subsidiary
Common Stock	05/06/2010	S	1	D	\$ 25.15	20	I		By Subsidiary
Common Stock	05/06/2010	S	20	D	\$ 25.96	0	I		By Subsidiary
Common Stock	05/10/2010	P	375	A	\$ 26.5	375	I		By Subsidiary
Common Stock	05/10/2010	S	375	D	\$ 24.33	0	I		By Subsidiary
Common Stock	05/11/2010	P	97	A	\$ 26.63	97	I		By Subsidiary
Common Stock	05/11/2010	S	97	D	\$ 26.87	0	I		By Subsidiary
Common Stock	05/24/2010	P	400	A	\$ 24.96	400	I		By Subsidiary
Common Stock	05/24/2010	S	400	D	\$ 25.38	0	I		By Subsidiary
Common Stock	05/27/2010	P	5	A	\$ 27.43	5	I		By Subsidiary
Common Stock	05/27/2010	S	5	D	\$ 24.27	0	I		By Subsidiary
Common Stock	05/28/2010	P	100	A	\$ 25.66	100	I		By Subsidiary
Common Stock	05/28/2010	S	100	D	\$ 25.16	0	I		By Subsidiary

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

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SEC 1474  
(9-02)

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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 Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Beneficially (Instr. 6)
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## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BANK OF AMERICA CORP /DE/ BANK OF AMERICA CORPORATE CENTER 100 N. TRYON STREET CHARLOTTE, NC 28255		X		
MERRILL LYNCH, PIERCE, FENNER & SMITH INC. 4 WORLD FINANCIAL CENTER NORTH TOWER NEW YORK, NY 10080		X		

## Signatures

Bank of America Corporation, By: /s/ Beth Dorfman, Authorized Signatory 03/18/2011  
\*\*Signature of Reporting Person Date

Merrill Lynch, Pierce, Fenner & Smith Incorporated, By: /s/ Lawrence Emerson, Title: 03/18/2011  
 Attorney-In-Fact \*\*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).

### Remarks:

The transactions reported on this Form 4 were effected by Merrill Lynch, Pierce, Fenner & Smith Incorporated, an indirect, wholly owned subsidiary of Kayne Anderson MLP Investment CO.

Disgorgement of profits, if applicable, based on transactions reported above is being made by the Reporting Persons to the Issuer.

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.