

NUVEEN PREMIUM INCOME MUNICIPAL FUND 4 INC

Form N-Q

April 01, 2005

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549**

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-07432

Nuveen Premium Income Municipal Fund 4, Inc.

(Exact name of registrant as specified in charter)

333 West Wacker Drive, Chicago, Illinois 60606

(Address of principal executive offices) (Zip code)

Jessica R. Droeger Vice President and Secretary

333 West Wacker Drive, Chicago, Illinois 60606

(Name and address of agent for service)

Registrant's telephone number, including area code: 312-917-7700

Date of fiscal year end: 10/31

Date of reporting period: 01/31/05

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (§§ 239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after the close of the first and third fiscal quarters, pursuant to rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget (OMB) control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to the Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. § 3507.

Item 1. Schedule of Investments

Portfolio of Investments (Unaudited)

Nuveen Premium Income Municipal Fund 4, Inc. (NPT)

January 31, 2005

Principal

Description⁽¹⁾

Optional Call

Provisions* Ratings**

Market

Value

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMP

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Principal Amount (000)			Optional Call		Market
Alabama - 3.4% (2.2% of Total Investments)					
\$ 2,395	Alabama Housing Finance Authority, FNMA Multifamily Housing Revenue Bonds, South Bay Apartments, Series 2000K, 5.950%, 2/01/33 (Alternative Minimum Tax)		2/11 at 102.00	AAA \$	2,509,577
11,895	Alabama Special Care Facilities Financing Authority, Birmingham, Hospital Revenue Bonds, Daughters of Charity National Health System - Providence Hospital and St. Vincent's Hospital, Series 1995, 5.000%, 11/01/25		11/05 at 101.00	Aaa	12,186,071
5,150	Alabama 21st Century Authority, Tobacco Settlement Revenue Bonds, Series 2001, 5.750%, 12/01/16		12/11 at 101.00	A-	5,403,020
Alaska - 0.9% (0.5% of Total Investments)					
3,065	Alaska Municipal Bond Bank Authority, General Obligation Bonds, Series 2003E, 5.250%, 12/01/26 - MBIA Insured		12/13 at 100.00	AAA	3,334,475
1,665	Alaska Housing Finance Corporation, General Housing Purpose Bonds, Series 2005A, 5.000%, 12/01/30 - FGIC Insured		12/14 at 100.00	AAA	1,739,209
Arizona - 1.6% (1.0% of Total Investments)					
5,000	Arizona Tourism and Sports Authority, Tax Revenue Bonds, Multipurpose Stadium Facility Project, Series 2003A, 5.000%, 7/01/31 - MBIA Insured		7/13 at 100.00	Aaa	5,225,050
4,100	Salt River Project Agricultural Improvement and Power District, Arizona, Electric System Revenue Bonds, Series 2003, 5.000%, 12/01/18 - MBIA Insured		12/13 at 100.00	AAA	4,458,012
Arkansas - 0.1% (0.0% of Total Investments)					
95	Arkansas Development Finance Authority, FHA-Insured or VA Guaranteed Mortgage Loans, Single Family Mortgage Revenue Refunding Bonds, Series 1991A, 8.000%, 8/15/11		2/05 at 100.00	AA	95,248
99	Jacksonville Residential Housing Facilities Board, Arkansas, FNMA Mortgage-Backed Securities Program Single Family Mortgage Revenue Refunding Bonds, Series 1993A-2, 7.900%, 1/01/11		7/05 at 101.00	Aaa	100,068
159	Lonoke County Residential Housing Facilities Board, Arkansas, FNMA Mortgage-Backed Securities Program Single Family Mortgage Revenue Refunding Bonds, Series 1993A, 7.900%, 4/01/11		4/05 at 103.00	Aaa	163,182
California - 7.7% (4.9% of Total Investments)					
17,000	California Health Facilities Financing Authority, Health Facility Revenue Bonds, Adventist Health System/West, Series 2003A, 5.000%, 3/01/33		3/13 at 100.00	A	17,139,910
10,000	California, General Obligation Bonds, Series 2003, 5.250%, 2/01/22		8/13 at 100.00	A	10,904,500
4,500	California, General Obligation Bonds, Series 2004, 5.100%, 2/01/34		2/09 at 100.00	A	4,588,785
1,800	California Department of Water Resources, Power Supply Revenue Bonds, Series 2002A, 5.500%,		5/12 at 101.00	AAA	2,069,352

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Principal		Optional Call		Market
	5/01/14 - AMBAC Insured			
4,780	Foothill/Eastern Transportation Corridor Agency, California, Toll Road Revenue Bonds, Series 1995A, 0.000%, 1/01/14	No Opt. Call	AAA	3,406,610
1,000	Golden State Tobacco Securitization Corporation, California, Tobacco Settlement Asset-Backed Bonds, Series 2003A-1, 6.750%, 6/01/39	6/13 at 100.00	BBB	1,017,760
3,000	Los Angeles Department of Water and Power, California, Power System Revenue Bonds, Series 2001A-3, 5.375%, 7/01/20	7/06 at 100.00	AA-	3,088,950
795	Santa Clara Valley Water District, California, Water Utility System Revenue Bonds, Series 2000A, 5.000%, 6/01/18	6/10 at 100.00	AA	856,167
1,945	South Gate Public Financing Authority, California, Water Revenue Refunding Bonds, Series 1996A, 6.000%, 10/01/12 - FGIC Insured	No Opt. Call	AAA	2,311,107
Colorado - 5.2% (3.3% of Total Investments)				
2,000	Colorado Health Facilities Authority, Revenue Refunding Bonds, Catholic Health Initiatives, Series 2001, 5.250%, 9/01/21	9/11 at 100.00	AA	2,120,200
1,015	Colorado Housing Finance Authority, Single Family Program Senior Bonds, Series 1999C-3, 6.750%, 10/01/21	10/09 at 105.00	Aa2	1,057,843
3,040	Denver City and County, Colorado, Airport System Revenue Bonds, Series 1991D, 7.750%, 11/15/13 (Alternative Minimum Tax)	No Opt. Call	A	3,677,306
2,940	Denver Convention Center Hotel Authority, Colorado, Senior Revenue Bonds, Convention Center Hotel, Series 2003A: 5.000%, 12/01/20 - XLCA Insured	12/13 at 100.00	AAA	3,155,678
10,000	5.000%, 12/01/33 - XLCA Insured	12/13 at 100.00	AAA	10,386,400
4,345	El Paso County School District 20, Academy, Colorado, General Obligation Bonds, Series 2002, 5.250%, 12/15/17 - FGIC Insured	12/12 at 100.00	Aaa	4,851,410
755	Jefferson County School District R1, Colorado, General Obligation Bonds, Series 2004, 5.000%, 12/15/22 - FSA Insured	12/14 at 100.00	AAA	819,575
4,125	Municipal Subdistrict Northern Colorado Water District, Revenue Bonds, Series 1997G, 5.250%, 12/01/15 - AMBAC Insured	12/07 at 101.00	AAA	4,449,060
Connecticut - 0.5% (0.4% of Total Investments)				
3,000	Connecticut Housing Finance Authority, Housing Mortgage Finance Program Bonds, Series 1996C-2, 6.250%, 11/15/18	5/06 at 102.00	AAA	3,134,940
District of Columbia - 5.5% (3.5% of Total Investments)				
6,000	District of Columbia, General Obligation Bonds, Series 1993B-2, 5.500%, 6/01/10 - FSA Insured	No Opt. Call	AAA	6,685,440
4,250	District of Columbia, Hospital Revenue Refunding Bonds, Medlantic Healthcare Group, Series 1993A,	8/06 at 102.00	AAA	4,534,835

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Principal		Optional Call		Market
	5.750%, 8/15/14 - MBIA Insured			
5	District of Columbia, General Obligation Bonds, Series 1993E, 6.000%, 6/01/09 - CAPMAC Insured	6/05 at 100.00	AAA	5,062
1,585	District of Columbia, General Obligation Refunding Bonds, Series 1993A:			
	6.000%, 6/01/07 - MBIA Insured	No Opt. Call	AAA	1,667,055
7,215	6.000%, 6/01/07 - MBIA Insured	No Opt. Call	AAA	7,562,691
	District of Columbia, Revenue Bonds, Georgetown University, Series 2001A:			
9,670	0.000%, 4/01/26 - MBIA Insured	4/11 at 42.15	AAA	3,005,146
15,235	0.000%, 4/01/30 - MBIA Insured	4/11 at 32.93	AAA	3,650,306
5,000	Washington Convention Center Authority, District of Columbia, Senior Lien Dedicated Tax Revenue Bonds, Series 1998, 5.250%, 10/01/12 - AMBAC Insured	10/08 at 101.00	AAA	5,431,600
Florida - 6.6% (4.2% of Total Investments)				
5,000	Broward County School Board, Florida, Certificates of Participation, Series 2003, 5.000%, 7/01/28 - MBIA Insured	7/13 at 100.00	AAA	5,250,200
2,500	Florida State Board of Education, Full Faith and Credit Public Education Capital Outlay Bonds, Series 1996A, 5.250%, 6/01/22	6/06 at 101.00	AA+	2,603,375
5,000	Hillsborough County Aviation Authority, Florida, Revenue Bonds, Tampa International Airport, Series 2003A, 5.250%, 10/01/18 (Alternative Minimum Tax) - MBIA Insured	10/13 at 100.00	AAA	5,421,250
9,000	JEA, Florida, Water and Sewerage System Revenue Bonds, Series 2001A, 5.200%, 10/01/20 (Pre-refunded to 10/01/05)	10/05 at 100.00	AA-***	9,184,950
5,000	Martin County Industrial Development Authority, Florida, Industrial Development Revenue Bonds, Indiantown Cogeneration LP Project, Series 1994A, 7.875%, 12/15/25 (Alternative Minimum Tax)	6/05 at 102.00	BB+	5,118,500
1,380	Miami-Dade County Housing Finance Authority, Florida, Multifamily Housing Revenue Bonds, Sunset Bay Apartments, Series 2000-5A, 5.850%, 7/01/20 (Alternative Minimum Tax) - FSA Insured	1/11 at 102.00	AAA	1,476,641
9,500	Sunrise, Florida, Utility System Revenue Refunding Bonds, Series 1998, 5.000%, 10/01/28 - AMBAC Insured	10/18 at 100.00	AAA	10,216,965
Georgia - 2.6% (1.7% of Total Investments)				
4,400	Atlanta, Georgia, Water and Wastewater Revenue Bonds, Series 1999A, 5.500%, 11/01/22 - FGIC Insured	No Opt. Call	AAA	5,211,096
2,880	Georgia Municipal Electric Authority, General Power Revenue Bonds, Series 1992B, 8.250%, 1/01/11	No Opt. Call	A+	3,635,654
5,500	Georgia Municipal Electric Authority, General Power Revenue Bonds, Series 1993B, 5.700%, 1/01/19 - FGIC Insured	No Opt. Call	AAA	6,518,765
Hawaii - 1.0% (0.6% of Total Investments)				
1,580	Honolulu City and County, Hawaii, General Obligation Refunding and Improvement Bonds, Series 1993B: 5.000%, 10/01/13	No Opt. Call	Aaa	1,767,688

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Principal			Optional Call		Market
3,720	5.000%, 10/01/13		No Opt. Call	Aa2	4,138,277
Illinois - 14.8% (9.5% of Total Investments)					
4,000	Chicago Board of Education, Illinois, General Obligation Lease Certificates, Series 1992A, 6.250%, 1/01/15 - MBIA Insured		No Opt. Call	AAA	4,742,880
5,550	Chicago, Illinois, Revenue Bonds, Midway Airport, Series 2001A, 5.125%, 1/01/26 (Alternative Minimum Tax) - FSA Insured		1/11 at 101.00	AAA	5,738,645
5,000	Chicago, Illinois, Sales Tax Revenue Bonds, Series 1998, 5.250%, 1/01/28 - FGIC Insured		7/08 at 102.00	AAA	5,355,050
	Cook County School District 99, Cicero, Illinois, General Obligation School Bonds, Series 1997:				
1,455	8.500%, 12/01/13 - FGIC Insured		No Opt. Call	Aaa	1,999,170
1,685	8.500%, 12/01/15 - FGIC Insured		No Opt. Call	Aaa	2,407,343
6,155	Illinois Development Finance Authority, GNMA Collateralized Mortgage Revenue Bonds, Greek American Nursing Home Project, Series 2000A, 7.600%, 4/20/40		4/11 at 105.00	Aaa	6,687,469
450	Illinois Educational Facilities Authority, Revenue Bonds, Chicago College of Osteopathic Medicine, Series 1975A, 8.750%, 7/01/05		No Opt. Call	AAA	462,330
	Illinois Health Facilities Authority, Revenue Refunding Bonds, Lutheran General Health System, Series 1993C:				
5,705	7.000%, 4/01/08		No Opt. Call	A+	6,100,585
4,075	7.000%, 4/01/14		No Opt. Call	A+	5,036,944
4,000	Illinois Health Facilities Authority, Revenue Bonds, Condell Medical Center, Series 2002, 5.500%, 5/15/32		5/12 at 100.00	Baa2	4,007,000
4,000	Illinois Health Facilities Authority, FHA-Insured Mortgage Revenue Refunding Bonds, Sinai Health System, Series 2003, 5.150%, 2/15/37		8/13 at 100.00	AAA	4,103,800
4,420	Illinois Housing Development Authority, Multifamily Program Bonds, Series 1994-5, 6.650%, 9/01/14		3/05 at 102.00	A+	4,513,306
3,410	Illinois Housing Development Authority, Section 8 Elderly Housing Revenue Bonds, Skyline Towers Apartments, Series 1992B, 6.875%, 11/01/17		5/05 at 100.00	A-	3,525,088
9,795	Lake, Cook, Kane and McHenry Counties Community Unit School District 220, Barrington, Illinois, School Refunding Bonds, Series 2002, 5.250%, 12/01/19 - FSA Insured		No Opt. Call	AAA	11,279,138
	Metropolitan Pier and Exposition Authority, Illinois, Revenue Bonds, McCormick Place Expansion Project, Series 2002A:				
9,500	0.000%, 6/15/24 - MBIA Insured		6/22 at 101.00	AAA	5,735,245
4,540	5.000%, 12/15/28 - MBIA Insured		6/12 at 101.00	AAA	4,743,392
34,440	0.000%, 6/15/40 - MBIA Insured		No Opt. Call	AAA	5,907,149
3,050	Regional Transportation Authority, Cook, DuPage, Kane, Lake, McHenry and Will Counties, Illinois, General Obligation Bonds, Series 1990A, 7.200%, 11/01/20 - AMBAC Insured		No Opt. Call	AAA	4,028,806
1,362	Wood River Township, Madison County, Illinois, General Obligation Bonds, Series 1993, 6.625%, 2/01/14		2/05 at 101.00	N/R	1,296,916

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Principal		Optional Call		Market
Indiana - 8.6% (5.5% of Total Investments)				
22,000	Indiana Health Facility Financing Authority, Hospital Revenue Bonds, Clarian Health Obligated Group, Series 2000A, 5.500%, 2/15/30 - MBIA Insured	8/10 at 101.50	AAA	24,049,300
3,000	Indiana Health Facility Financing Authority, Hospital Revenue Refunding Bonds, Columbus Regional Hospital, Series 1993, 7.000%, 8/15/15 - FSA Insured	No Opt. Call	AAA	3,687,150
3,965	Indiana Educational Facilities Authority, Revenue Bonds, Butler University, Series 2001, 5.500%, 2/01/26 - MBIA Insured	2/11 at 100.00	AAA	4,420,341
1,500	Indiana Educational Facilities Authority, Revenue Bonds, University of Indianapolis, Series 1999, 5.750%, 10/01/19 - FSA Insured	10/09 at 101.00	AAA	1,688,235
4,000	Indiana Transportation Finance Authority, Highway Revenue Bonds, Series 2003A: 5.000%, 6/01/23 - FSA Insured	6/13 at 100.00	AAA	4,284,680
6,000	5.000%, 6/01/24 - FSA Insured	6/13 at 100.00	AAA	6,409,080
710	Kokomo Hospital Authority, Indiana, Hospital Revenue Refunding Bonds, St. Joseph Hospital and Health Center, Series 1993, 6.250%, 8/15/05	2/05 at 101.00	N/R***	724,711
5,000	Metropolitan School District Warren Township Vision 2005 School Building Corporation, Marion County, Indiana, First Mortgage Bonds, Series 2000, 5.500%, 7/15/20 (Pre-refunded to 1/15/11) - FGIC Insured	1/11 at 100.00	AAA	5,575,950
Iowa - 0.0% (0.0% of Total Investments)				
60	Davenport, Iowa, Home Ownership Mortgage Revenue Refunding Bonds, Series 1994, 7.900%, 3/01/10	3/05 at 102.00	Aa2	60,567
Kansas - 1.8% (1.2% of Total Investments)				
2,000	Olathe, Kansas, Health Facilities Revenue Bonds, Olathe Medical Center, Series 2000A, 5.500%, 9/01/25 - AMBAC Insured	9/10 at 100.00	AAA	2,188,480
6,825	Sedgwick County Unified School District 259, Wichita, Kansas, General Obligation Bonds, Series 2000, 3.500%, 9/01/16	9/10 at 100.00	AA	6,637,517
1,750	Wamego, Kansas, Pollution Control Revenue Bonds, Kansas Gas and Electric Company, Series 2004, 5.300%, 6/01/31 - MBIA Insured	6/14 at 100.00	AAA	1,891,225
Louisiana - 1.8% (1.1% of Total Investments)				
3,070	Jefferson Sales Tax District, Jefferson Parish, Louisiana, Special Sales Tax Revenue Refunding Bonds, Series 2002, 5.250%, 12/01/20 - AMBAC Insured	12/12 at 100.00	AAA	3,406,748
1,750	Louisiana Local Government Environmental Facilities and Community Development Authority, GNMA Collateralized Mortgage Revenue Refunding Bonds, Sharlo Apartments, Series 2002A, 6.500%, 6/20/37	6/12 at 105.00	Aaa	1,950,130
4,915	Orleans Levee District, Louisiana, Levee District General Obligation Bonds, Series 1986, 5.950%, 11/01/14 - FSA Insured	12/05 at 103.00	AAA	5,208,032
Maine - 2.5% (1.6% of Total Investments)				

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Principal		Optional Call		Market
7,520	Maine Educational Loan Marketing Corporation, Student Loan Revenue Bonds, Subordinate Series 1994B-2, 6.250%, 11/01/06 (Alternative Minimum Tax)	No Opt. Call	A2	7,792,750
6,635	Maine State Housing Authority, Mortgage Purchase Bonds, Series 2000C-1, 6.050%, 11/15/31 (Alternative Minimum Tax)	5/10 at 100.00	AA+	6,947,442
Maryland - 2.7% (1.7% of Total Investments)				
3,215	Maryland Community Development Administration, Housing Revenue Bonds, Series 1996A, 5.875%, 7/01/16	1/07 at 102.00	Aa2	3,356,621
2,900	Maryland Community Development Administration, Housing Revenue Bonds, Series 1997A, 6.000%, 7/01/39 (Alternative Minimum Tax)	7/07 at 102.00	Aa2	3,020,379
6,800	Montgomery County Housing Opportunities Commission, Maryland, GNMA/FHA-Insured Multifamily Housing Revenue Bonds, Series 1996B, 6.400%, 7/01/28 (Alternative Minimum Tax)	7/06 at 102.00	Aa2	7,043,984
2,315	Montgomery County Housing Opportunities Commission, Maryland, Multifamily Housing Development Bonds, Series 2000B, 6.125%, 7/01/20 (Alternative Minimum Tax)	7/10 at 100.00	Aaa	2,484,180
Massachusetts - 0.0% (0.0% of Total Investments)				
35	Massachusetts Housing Finance Agency, Housing Project Revenue Refunding Bonds, Series 1993A, 6.300%, 10/01/13	4/05 at 100.00	A+	35,098
Michigan - 5.3% (3.4% of Total Investments)				
10,325	Detroit, Michigan, Senior Lien Water Supply System Revenue Bonds, Series 1997A, 5.000%, 7/01/27 - MBIA Insured	7/07 at 101.00	AAA	10,807,384
1,350	Hancock Hospital Finance Authority, Michigan, FHA-Insured Mortgage Hospital Revenue Bonds, Portage Health System Inc., Series 1998: 4.625%, 8/01/18 - MBIA Insured	8/08 at 100.00	AAA	1,370,169
4,400	5.450%, 8/01/47 - MBIA Insured	8/08 at 100.00	AAA	4,707,296
5,000	Michigan State Building Authority, Revenue Refunding Bonds, Facilities Program, Series 2003II, 5.000%, 10/15/29 - MBIA Insured	10/13 at 100.00	AAA	5,246,050
10,500	Michigan State Hospital Finance Authority, Hospital Revenue Bonds, Detroit Medical Center Obligated Group, Series 1998A, 5.250%, 8/15/23	8/08 at 101.00	Ba3	9,452,310
Minnesota - 1.0% (0.6% of Total Investments)				
1,945	Minneapolis-St. Paul Housing Finance Board, Minnesota, FNMA/GNMA Mortgage-Backed Securities Program Single Family Mortgage Revenue Bonds, Series 1997, 5.800%, 11/01/30 (Alternative Minimum Tax)	11/07 at 102.00	AAA	2,009,982
3,500	Minneapolis-St. Paul Metropolitan Airports Commission, Minnesota, Airport Revenue Bonds, Series 2001A, 5.250%, 1/01/25 - FGIC Insured	1/11 at 100.00	AAA	3,817,625
Mississippi - 1.9% (1.2% of Total Investments)				

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Principal		Optional Call		Market
1,285	Jones County, Mississippi, Hospital Revenue Refunding Bonds, South Central Regional Medical Center Project, Series 1997, 5.350%, 12/01/10	12/07 at 100.00	BBB+	1,322,689
2,000	Mississippi Higher Education Assistance Corporation, Student Loan Revenue Bonds, Senior Series 1993B, 5.800%, 9/01/06 (Alternative Minimum Tax)	3/05 at 100.00	Aaa	2,004,340
1,875	Mississippi Hospital Equipment and Facilities Authority, Revenue Bonds, Baptist Memorial Healthcare, Series 2004B-1, 5.000%, 9/01/24	9/14 at 100.00	N/R	1,946,512
5,180	Mississippi, General Obligation Refunding Bonds, Series 2002A, 5.500%, 12/01/18	No Opt. Call	AA	6,111,157
Missouri - 0.4% (0.3% of Total Investments)				
2,000	St. Louis, Missouri, Airport Revenue Bonds, Airport Development Program, Series 2001A, 5.000%, 7/01/26 - MBIA Insured	7/11 at 100.00	AAA	2,087,400
Nebraska - 1.6% (1.0% of Total Investments)				
9,000	Nebraska Higher Education Loan Program Incorporated, Senior Subordinate Bonds, Series 1993A-5A, 6.250%, 6/01/18 (Alternative Minimum Tax) - MBIA Insured	No Opt. Call	AAA	9,474,300
Nevada - 4.6% (2.9% of Total Investments)				
7,000	Clark County, Nevada, Motor Vehicle Fuel Tax Highway Improvement Revenue Bonds, Series 2003, 5.000%, 7/01/23 - AMBAC Insured	7/13 at 100.00	AAA	7,490,700
10,420	Clark County School District, Nevada, General Obligation Bonds, Series 2002C, 5.500%, 6/15/18 - MBIA Insured	6/12 at 100.00	AAA	11,734,587
4,500	Clark County School District, Nevada, General Obligation School Improvement Bonds, Series 1991A, 7.000%, 6/01/10 - MBIA Insured	No Opt. Call	AAA	5,359,545
5,425	Director of Nevada State Department of Business and Industry, Revenue Bonds, Las Vegas Monorail Project, First Tier, Series 2000, 0.000%, 1/01/25 - AMBAC Insured	No Opt. Call	AAA	2,050,976
630	Nevada Housing Division, Single Family Mortgage Bonds, Senior Series 1992B-1, 6.200%, 10/01/15	4/05 at 101.00	A1	643,425
New Jersey - 3.9% (2.5% of Total Investments)				
1,100	New Jersey Health Care Facilities Financing Authority, Revenue Bonds, Trinitas Hospital Obligated Group, Series 2000, 7.500%, 7/01/30	7/10 at 101.00	BBB-	1,244,980
2,345	New Jersey Turnpike Authority, Revenue Bonds, Series 1991C: 6.500%, 1/01/16 - MBIA Insured	No Opt. Call	AAA	2,857,969
1,180	6.500%, 1/01/16 - MBIA Insured	No Opt. Call	AAA	1,441,523
14,560	Tobacco Settlement Financing Corporation, New Jersey, Tobacco Settlement Asset-Backed Bonds, Series 2002, 5.750%, 6/01/32	6/12 at 100.00	BBB	14,158,144
3,125	Tobacco Settlement Financing Corporation, New Jersey, Tobacco Settlement Asset-Backed Bonds, Series 2003, 6.750%, 6/01/39	6/13 at 100.00	BBB	3,179,313
New York - 11.6% (7.4% of Total Investments)				

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Principal		Optional Call		Market
1,200	Hempstead Industrial Development Agency, New York, Resource Recovery Revenue Refunding Bonds, American Ref-Fuel Company of Hempstead, Series 2001, 5.000%, 12/01/10 (Mandatory put 6/01/10)	No Opt. Call	A3	1,283,388
6,580	New York City, New York, General Obligation Bonds, Fiscal Series 1996F: 6.500%, 2/01/05	No Opt. Call	A***	6,580,000
7,730	6.500%, 2/01/05	No Opt. Call	A	7,730,000
	New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 1998C:			
1,350	5.000%, 5/01/26 (Pre-refunded to 5/01/08)	5/08 at 101.00	AA+***	1,464,696
35	5.000%, 5/01/26 (Pre-refunded to 5/01/08)	5/08 at 100.00	AA+***	37,974
15,530	5.000%, 5/01/26	5/08 at 101.00	AA+	16,021,680
	New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 2000C:			
3,630	5.875%, 11/01/16 (Pre-refunded to 5/15/10)	5/10 at 101.00	AA+***	4,180,562
5,000	5.500%, 11/01/24	5/10 at 101.00	AA+	5,545,900
220	New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 2000A, 5.875%, 11/01/16	5/10 at 101.00	AA+	251,286
1,965	New York State Medical Care Facilities Finance Agency, FHA-Insured Mortgage Revenue Bonds, Hospital and Nursing Home Projects, Series 1992B, 6.200%, 8/15/22	2/05 at 100.00	AAA	2,003,160
4,200	New York State Medical Care Facilities Finance Agency, FHA-Insured Mortgage Revenue Bonds, Kenmore Mercy Hospital, Series 1995B, 6.150%, 2/15/35	2/05 at 102.00	AA	4,294,290
3,365	New York State Medical Care Facilities Finance Agency, FHA-Insured Hospital and Nursing Home Mortgage Revenue Bonds, Series 1994A, 6.200%, 2/15/21	2/05 at 101.00	AA	3,407,399
6,250	Port Authority of New York and New Jersey, Special Project Bonds, JFK International Air Terminal LLC, Sixth Series 1997, 6.250%, 12/01/15 (Alternative Minimum Tax) - MBIA Insured	No Opt. Call	AAA	7,282,625
	New York State Tobacco Settlement Financing Corporation, Tobacco Settlement Asset-Backed and State Contingency Contract-Backed Bonds, Series 2003A-1:			
5,400	5.500%, 6/01/16	6/10 at 100.00	AA-	5,914,134
2,500	5.500%, 6/01/18	6/12 at 100.00	AA-	2,782,325
North Carolina - 3.2% (2.1% of Total Investments)				
2,675	Charlotte, North Carolina, Water and Sewer System Revenue Bonds, Series 2001, 5.500%, 6/01/13	6/11 at 101.00	AAA	3,045,300
2,000	North Carolina Municipal Power Agency 1, Catawba Electric Revenue Bonds, Series 1992, 6.000%, 1/01/11 - MBIA Insured	No Opt. Call	AAA	2,304,860
10,000	North Carolina Municipal Power Agency 1, Catawba Electric Revenue Bonds, Series 2003A, 5.250%, 1/01/18 - MBIA Insured	1/13 at 100.00	AAA	11,126,800
2,445	North Carolina Infrastructure Finance Corporation, Certificates of Participation, Correctional Facilities, Series 2004A, 5.000%, 2/01/21	2/14 at 100.00	AA+	2,623,509
Ohio - 2.4% (1.5% of Total Investments)				

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Principal		Optional Call		Market
9,000	Cleveland, Ohio, Airport System Revenue Bonds, Series 2000A, 5.000%, 1/01/31 - FSA Insured	1/10 at 101.00	AAA	9,285,390
3,000	Franklin County, Ohio, Development Revenue Bonds, American Chemical Society, Series 1999, 5.800%, 10/01/14	10/09 at 101.00	A	3,266,610
1,000	Franklin County, Ohio, FHA-Insured Multifamily Housing Mortgage Revenue Bonds, Hamilton Creek Apartments Project, Series 1994A, 5.550%, 7/01/24 (Alternative Minimum Tax)	7/05 at 103.00	Aa	1,021,530
550	Ohio Housing Finance Agency, GNMA Mortgage-Backed Securities Program Residential Mortgage Revenue Bonds, Series 1995A-1, 6.300%, 9/01/17	3/05 at 102.00	Aaa	561,864
Oklahoma - 1.9% (1.2% of Total Investments)				
420	Oklahoma Housing Finance Agency, Single Family Mortgage Revenue Bonds, Homeownership Loan Program, Series 2000C-2, 6.200%, 9/01/28 (Alternative Minimum Tax)	3/10 at 101.00	Aaa	445,683
9,735	Tulsa County Industrial Authority, Oklahoma, First Mortgage Multifamily Housing Revenue Bonds, Stoneridge Apartments Project, Series 1999, 6.125%, 3/01/39 (Alternative Minimum Tax)	3/11 at 101.00	N/R	7,225,122
3,340	Tulsa Industrial Authority, Oklahoma, Hospital Revenue Refunding Bonds, Hillcrest Medical Center, Series 1996, 6.500%, 6/01/09 - CONNIE LEE/AMBAC Insured	No Opt. Call	AAA	3,818,555
Pennsylvania - 1.6% (1.0% of Total Investments)				
1,530	Beaver Area School District, Beaver County, Pennsylvania, General Obligation Bonds, Series 2001, 5.000%, 1/15/20 - FGIC Insured	7/06 at 100.00	AAA	1,572,993
5,000	Pennsylvania Economic Development Financing Authority, Senior Lien Resource Recovery Revenue Bonds, Northampton Generating Project, Series 1994A, 6.400%, 1/01/09 (Alternative Minimum Tax)	7/05 at 101.00	BBB-	5,056,350
2,600	Pennsylvania Turnpike Commission, Turnpike Revenue Bonds, Series 2004A, 5.500%, 12/01/31 - AMBAC Insured	12/14 at 100.00	AAA	2,890,888
Puerto Rico - 3.2% (2.1% of Total Investments)				
12,390	Puerto Rico, General Obligation and Public Improvement Refunding Bonds, Series 1997, 6.500%, 7/01/13 - MBIA Insured	No Opt. Call	AAA	15,267,206
3,470	University of Puerto Rico, University System Revenue Bonds, Series 2000O, 5.750%, 6/01/18 - MBIA Insured	6/10 at 100.00	AAA	3,930,504
Rhode Island - 3.3% (2.1% of Total Investments)				
20,000	Rhode Island Tobacco Settlement Financing Corporation, Tobacco Settlement Asset-Backed Bonds, Series 2002A, 6.250%, 6/01/42	6/12 at 100.00	BBB	19,312,800
South Carolina - 4.2% (2.7% of Total Investments)				
4,120	Medical University Hospital Authority, South Carolina, FHA-Insured Mortgage Revenue Bonds, Series 2004A, 5.250%, 2/15/23 - MBIA Insured	8/14 at 100.00	AAA	4,497,680

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Principal		Optional Call		Market
3,000	Myrtle Beach, South Carolina, Hospitality and Accommodation Fee Revenue Bonds, Series 2004A, 5.000%, 6/01/36 - FGIC Insured	6/14 at 100.00	AAA	3,121,710
5,000	Piedmont Municipal Power Agency, South Carolina, Electric Revenue Bonds, Series 1991: 6.250%, 1/01/21 - FGIC Insured	No Opt. Call	AAA	6,237,400
5,750	4.000%, 1/01/23 - MBIA Insured	7/05 at 100.00	AAA	5,511,547
5,085	Piedmont Municipal Power Agency, South Carolina, Electric Revenue Refunding Bonds, Series 1998A, 5.500%, 1/01/13 - MBIA Insured	No Opt. Call	AAA	5,780,882
South Dakota - 0.3% (0.3% of Total Investments)				
1,750	South Dakota Health and Educational Facilities Authority, Revenue Bonds, Sioux Valley Hospital and Health System, Series 2004A, 5.500%, 11/01/31	11/14 at 100.00	A+	1,856,243
Tennessee - 0.3% (0.3% of Total Investments)				
1,500	Metropolitan Government of Nashville-Davidson County, Tennessee, Electric System Revenue Bonds, Series 1998A, 5.200%, 5/15/23	5/08 at 102.00	AA	1,624,035
Texas - 17.4% (11.2% of Total Investments)				
4,500	Alliance Airport Authority, Texas, Special Facilities Revenue Bonds, American Airlines Inc., Series 1990, 7.500%, 12/01/29 (Alternative Minimum Tax)	6/05 at 100.00	CCC	3,271,635
3,345	Columbia-Brazoria Independent School District, Texas, Unlimited Tax School Building Bonds, Series 1999, 4.750%, 2/01/25	2/09 at 100.00	AAA	3,389,355
8,000	Dallas-Ft. Worth International Airport, Texas, Joint Revenue Refunding and Improvement Bonds, Series 2001A, 5.875%, 11/01/19 (Alternative Minimum Tax) - FGIC Insured	11/11 at 100.00	AAA	9,012,640
2,250	Dallas-Ft. Worth International Airport, Texas, Joint Revenue Bonds, Series 2004B, 5.000%, 11/01/27 (Alternative Minimum Tax) - FSA Insured	11/14 at 100.00	AAA	2,310,480
6,000	Garland Housing Finance Corporation, Texas, Multifamily Housing Revenue Bonds, Legacy Pointe Apartments, Series 2000, 7.500%, 6/01/40 (Alternative Minimum Tax)	12/11 at 101.00	N/R	6,184,380
7,000	Harris County Health Facilities Development Corporation, Texas, Thermal Utility Revenue Bonds, TECO Project, Series 2003, 5.000%, 11/15/30 - MBIA Insured	11/13 at 100.00	AAA	7,256,410
28,305	Houston, Texas, Hotel Occupancy Tax and Special Revenue Bonds, Convention and Entertainment Project, Series 2001B, 0.000%, 9/01/28 - AMBAC Insured	No Opt. Call	AAA	8,835,972
7,500	Houston, Texas, Junior Lien Water and Sewerage System Revenue Refunding Bonds, Series 2002A, 5.750%, 12/01/32 - FSA Insured	No Opt. Call	AAA	9,096,150
5,000	Houston, Texas, Junior Lien Water and Sewerage System Revenue Refunding Bonds, Series 1997D, 5.000%, 12/01/25 (Pre-refunded to 12/01/07) - FGIC Insured	12/07 at 102.00	AAA	5,433,200
7,015	Liberty County Housing Development Corporation, Texas, Multifamily Housing Revenue Bonds, Series 1999, 7.250%, 6/01/34	6/09 at 100.00	N/R	6,122,411

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Principal		Optional Call		Market
270	Midland Housing Finance Corporation, Texas, Single Family Mortgage Revenue Refunding Bonds, Series 1992A, 8.450%, 12/01/11	11/05 at 103.00	Aaa	280,860
2,300	Montgomery Independent School District, Montgomery County, Texas, Unlimited Tax School Building and Refunding Bonds, Series 2001: 5.500%, 2/15/21	2/11 at 100.00	AAA	2,566,961
2,400	5.500%, 2/15/23	2/11 at 100.00	AAA	2,678,568
3,025	Mt. Pleasant Independent School District, Titus County, Texas, General Obligation Refunding Bonds, Series 2001: 5.000%, 2/15/26	8/11 at 100.00	Aaa	3,147,150
3,000	5.125%, 2/15/31	8/11 at 100.00	Aaa	3,115,290
6,000	Raven Hills Higher Education Corporation, Texas, Student Housing Revenue Bonds, Angelo State University - Texan Hall LLC, Series 2002A, 5.000%, 8/01/25 - MBIA Insured	8/12 at 100.00	Aaa	6,365,520
3,410	Retama Development Corporation, Texas, Special Facilities Revenue Bonds, Retama Park Racetrack, Series 1993, 8.750%, 12/15/18 (Pre-refunded to 12/15/12)	12/12 at 100.00	AAA	4,332,405
1,800	Sam Rayburn Municipal Power Agency, Texas, Power Supply System Revenue Refunding Bonds, Series 2002A, 5.750%, 10/01/21 - RAAI Insured	10/12 at 100.00	AA	2,014,938
4,700	Spring Branch Independent School District, Harris County, Texas, Limited Tax Schoolhouse and Refunding Bonds, Series 2001, 5.125%, 2/01/26	2/11 at 100.00	AAA	4,918,080
4,150	Texas General Services Commission, Certificates of Participation, Series 1992, 7.500%, 9/01/22	3/05 at 100.50	A	4,215,487
8,500	Travis County Health Facilities Development Corporation, Texas, Hospital Revenue Bonds, Daughters of Charity National Health System, Series 1993B, 6.000%, 11/15/22	5/05 at 101.00	Aaa	8,965,035
Utah - 6.3% (4.0% of Total Investments)				
4,845	Bountiful, Davis County, Utah, Hospital Revenue Refunding Bonds, South Davis Community Hospital Project, Series 1998, 5.750%, 12/15/18	12/08 at 101.00	N/R	4,433,369
17,570	Intermountain Power Agency, Utah, Power Supply Revenue Refunding Bonds, Series 1997B, 5.750%, 7/01/19 - MBIA Insured	7/07 at 102.00	AAA	19,137,947
5,065	Intermountain Power Agency, Utah, Power Supply Revenue Bonds, Series 1996A: 6.150%, 7/01/14	7/06 at 102.00	A+***	5,454,397
2,935	6.150%, 7/01/14	7/06 at 102.00	A+	3,114,886
1,435	Salt Lake City and Sandy Metropolitan Water District, Utah, Water Revenue Bonds, Series 2004, 5.000%, 7/01/21 - AMBAC Insured	7/14 at 100.00	Aaa	1,554,249
630	Utah Housing Finance Agency, Single Family Mortgage Bonds, Series 2000G, 5.875%, 7/01/27 (Alternative Minimum Tax)	7/10 at 100.00	AA	631,846
2,105	Utah Housing Finance Agency, Single Family Mortgage Bonds, Series 2001C: 5.500%, 1/01/18 (Alternative Minimum Tax)	1/11 at 100.00	AA-	2,211,513
640	5.650%, 1/01/21 (Alternative Minimum Tax)	1/11 at 100.00	Aa2	669,280

Virginia - 1.8% (1.1% of Total Investments)

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Principal		Optional Call		Market
8,190	Hampton, Virginia, Revenue Bonds, Convention Center Project, Series 2002, 5.000%, 1/15/35 - AMBAC Insured	1/13 at 100.00	AAA	8,525,053
1,775	Virginia Transportation Board, Transportation Revenue Refunding Bonds, U.S. Route 58 Corridor Development Program, Series 1997C, 5.125%, 5/15/19	5/07 at 101.00	AA+	1,882,459
Washington - 10.5% (6.7% of Total Investments)				
1,855	Chelan County Public Utility District 1, Washington, Hydro Consolidated System Revenue Bonds, Series 1999A, 6.200%, 7/01/34 (Alternative Minimum Tax)	7/09 at 101.00	AA	2,062,964
1,035	Covington Water District, Washington, Water Improvement and Revenue Refunding Bonds, Series 1995, 6.050%, 3/01/20 (Pre-refunded to 3/01/05) - AMBAC Insured	3/05 at 100.00	AAA	1,038,509
1,655	Everett, Washington, Limited Tax General Obligation Bonds, Series 1997, 5.125%, 9/01/17 - FSA Insured	9/07 at 100.00	Aaa	1,748,011
6,000	Grant County Public Utility District 2, Washington, Revenue Bonds, Wanapum Hydroelectric Development, Series 2005A, 5.000%, 1/01/34 (WI, settling 2/01/05) - FGIC Insured	1/15 at 100.00	AAA	6,240,060
1,619	Skagit County Housing Authority, Washington, GNMA Collateralized Mortgage Loan Nursing Facility Revenue Bonds, Sea Mar Community Project, Series 1993, 7.000%, 6/20/35	5/05 at 104.00	AAA	1,686,269
1,500	Snohomish County School District 6, Mukilteo, Washington, Unlimited Tax General Obligation and Refunding Bonds, Series 1993, 5.700%, 12/01/12 - FGIC Insured	No Opt. Call	AAA	1,736,775
8,155	Tacoma, Washington, Electric System Revenue Refunding Bonds, Series 2001A, 5.750%, 1/01/20 - FSA Insured	1/11 at 101.00	AAA	9,277,536
4,705	Tacoma, Washington, Sewerage Revenue Refunding Bonds, Series 1994B, 8.000%, 12/01/08 - FGIC Insured	No Opt. Call	AAA	5,580,977
4,845	Washington State Tobacco Settlement Authority, Tobacco Settlement Asset-Backed Revenue Bonds, Series 2002, 6.500%, 6/01/26	6/13 at 100.00	BBB	4,933,567
2,000	Washington State Healthcare Facilities Authority, Revenue Bonds, Highline Community Hospital, Series 1998, 5.000%, 8/15/21 - RAAI Insured	8/08 at 102.00	AA	2,068,320
1,000	Washington State Healthcare Facilities Authority, Revenue Bonds, Harrison Memorial Hospital, Series 1998, 5.000%, 8/15/28 - AMBAC Insured	8/13 at 102.00	AAA	1,045,340
6,080	Washington Public Power Supply System, Revenue Refunding Bonds, Nuclear Project 2, Series 1990A:	No Opt. Call	Aaa	6,493,014
395	7.250%, 7/01/06	No Opt. Call	Aaa	421,106
11,000	Washington Public Power Supply System, Revenue Refunding Bonds, Nuclear Project 3, Series 1993B, 7.000%, 7/01/09	No Opt. Call	Aaa	12,819,400
4,700	Washington Public Power Supply System, Revenue Refunding Bonds, Nuclear Project 3, Series 1998A, 5.125%, 7/01/18	7/08 at 102.00	Aaa	4,973,446
Wisconsin - 1.3% (0.9% of Total Investments)				

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Principal		Optional Call		Market
7,500	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Ministry Healthcare Inc., Series 2002A, 5.250%, 2/15/32 - MBIA Insured	2/12 at 101.00	AAA	7,937,476
\$ 939,304	Total Long-Term Investments (cost \$867,132,650) - 155.3%			919,741,769
Short-Term Investments - 1.0% (0.6% of Total Investments)				
1,000	Clark County School District, Nevada, General Obligation Bonds, Variable Rate Demand Obligations, Series 2001B, 1.750%, 6/15/21 - FSA Insured		A-1+	1,000,000
1,850	Massachusetts Development Finance Authority, Revenue Bonds, Boston University, Variable Rate Demand Obligations, Series 2002R-4, 1.810%, 10/01/42 - XLCA Insured		A-1+	1,850,000
2,950	Palm Beach County Health Facilities Authority, Florida, Revenue Bonds, Bethesda Healthcare System, Series 2001, 1.910%, 12/01/31		VMIG-1	2,950,000
\$ 5,800	Total Short-Term Investments (cost \$5,800,000)			5,800,000
	Total Investments (cost \$872,932,650) - 156.3%			925,541,769
	Other Assets Less Liabilities - 0.8%			5,071,220
	Preferred Shares, at Liquidation Value - (57.1)%			(338,400,000)
	Net Assets Applicable to Common Shares - 100%			\$592,212,989
(1)	All percentages shown in the Portfolio of Investments are based on net assets applicable to Common shares.			
*	Optional Call Provisions: Dates (month and year) and prices of the earliest optional call or redemption. There may be other call provisions at varying prices at later dates.			
**	Ratings: Using the higher of Standard & Poor's or Moody's rating.			
***	Securities are backed by an escrow or trust containing sufficient U.S. Government or U.S. Government agency securities which ensures the timely payment of principal and interest. Such securities are normally considered to be equivalent to AAA rated securities.			
N/R	Investment is not rated.			
(WI)	Security purchased on a when-issued basis. Security has a maturity of more than one year, but has variable rate and demand features which qualify it as a short-term security. The rate disclosed is that currently in effect. This rate changes periodically based on market conditions or a specified market index.			
	Income Tax Information			
	The following information is presented on an income tax basis. Differences between amounts for financial statement and federal income tax purposes are primarily due to timing differences in recognizing income on taxable market discount securities and timing differences in recognizing certain gains and losses on security transactions.			
	At January 31, 2005, the cost of investments was \$872,450,191.			
	Gross unrealized appreciation and gross unrealized depreciation of investments at January 31, 2005, were as follows:			
	Gross unrealized:			
	Appreciation			\$58,775,265

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Depreciation	(5,683,687)
Net unrealized appreciation of investments	\$53,091,578

Item 2. Controls and Procedures.

- The registrant's principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the "1940 Act") (17 CFR 270.30a-3(c))) are effective, as of a date within 90 days of the filing date of this report that includes the disclosure required by this paragraph, based on their evaluation of the controls and procedures required by Rule 30a-3(b) under the 1940 Act (17 CFR 270.30a-3(b)) and Rule 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934 (17 CFR 240.13a-15(b) or 240.15d-15(b)).
- There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act (17 CFR 270.30a-3(d))) that occurred during the registrant's last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 3. Exhibits.

File as exhibits as part of this Form a separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the 1940 Act (17 CFR 270.30a-2(a)), exactly as set forth below: EX-99 CERT Attached hereto.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) Nuveen Premium Income Municipal Fund 4, Inc.

By (Signature and Title)* /s/ Jessica R. Droeger--Vice President and Secretary

Date 04/01/05

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By (Signature and Title)* /s/ Gifford R. Zimmerman--Chief Administrative Officer (principal executive officer)

Date 04/01/05

By (Signature and Title)* /s/ Stephen D. Foy--Vice President and Controller (principal financial officer)

Date 04/01/05

* Print the name and title of each signing officer under his or her signature.