

NUVEEN PREMIUM INCOME MUNICIPAL FUND 4 INC
Form N-Q
September 29, 2004

**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: 7/31/04

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)
July 31, 2004

Principal Description ⁽¹⁾	Optional Call Provisions*	Ratings**	Market Value
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QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMP

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Principal Amount (000)		Optional Call	Market
Alabama - 3.6%			
\$ 975	Alabama Higher Education Loan Corporation, Student Loan Revenue Refunding Bonds, Series 1994D, 5.850%, 9/01/04 (Alternative Minimum Tax) - FSA Insured	No Opt. Call	AAA \$ 978,510
2,395	Alabama Housing Finance Authority, Multifamily Housing Revenue Bonds, South Bay Apartments Project, Series 2000K, 5.950%, 2/01/33 (Alternative Minimum Tax)	2/11 at 102.00	AAA 2,401,227
11,745	Alabama Special Care Facilities Financing Authority of Birmingham, Hospital Revenue Bonds, Daughter's 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 11,954,178
5,150	Alabama 21st Century Authority, Tobacco Settlement Revenue Bonds, Series 2001, 5.750%, 12/01/16	12/11 at 101.00	A- 5,102,517
Alaska - 0.6%			
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 3,161,793
Arizona - 1.6%			
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 5,019,450
3,750	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 3,936,638
Arkansas - 0.1%			
110	Arkansas Development Finance Authority, FHA-Insured or VA Guaranteed Mortgage Loans, Single Family Mortgage Revenue Refunding Bonds, Series 1991A, 8.000%, 8/15/11	8/04 at 100.00	AA 110,295
125	Jacksonville Residential Housing Facilities Board, Arkansas, FNMA-Backed Single Family Mortgage Revenue Refunding Bonds, Series 1993A, 7.900%, 1/01/11	1/05 at 102.00	Aaa 127,289
182	Lonoke County Residential Housing Facilities Board, Arkansas, Single Family Mortgage Revenue Refunding Bonds, Series 1993A, 7.900%, 4/01/11	4/05 at 103.00	Aaa 186,060
California - 7.5%			
17,000	California Health Facilities Financing Authority, Revenue Bonds, Adventist Health System/West, Series 2003A, 5.000%, 3/01/33 (DD1, settling 8/02/04)	3/13 at 100.00	A 15,979,150
10,000	California, General Obligation Bonds, Series 2003, 5.250%, 2/01/22	8/13 at 100.00	A3 10,388,800
4,500	California, General Obligation Bonds, Series 2004, 5.100%, 2/01/34	2/09 at 100.00	A3 4,435,155
4,780	Foothill/Eastern Transportation Corridor Agency, California, Toll Road Revenue Bonds, Series 1995A, 0.000%, 1/01/14	No Opt. Call	AAA 3,188,499

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Principal		Optional Call		Market
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	902,480
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-	3,127,860
1,715	Merced County Housing Authority, California, FNMA Multifamily Housing Revenue Refunding Bonds, Belmont Park Apartments Project, Series 1993A, 5.875%, 1/01/19	8/04 at 102.00	Aaa	1,743,229
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	2,268,998
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Colorado - 5.2%				
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	2,050,420
1,230	Colorado Housing and Finance Authority, Single Family Program Senior Bonds, Series 1999C-3, 6.750%, 10/01/21	10/09 at 105.00	Aa2	1,264,920
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	3,665,510
2,940	Denver Convention Center Hotel Authority, Colorado, Convention Center Hotel Senior Revenue Bonds, Series 2003A: 5.000%, 12/01/20 - XLCA Insured	12/13 at 100.00	AAA	3,033,904
10,000	5.000%, 12/01/33 - XLCA Insured	12/13 at 100.00	AAA	9,991,700
4,345	El Paso County School District No. 20, Academy, Colorado, General Obligation Bonds, Series 2002, 5.250%, 12/15/17 - FGIC Insured	12/12 at 100.00	Aaa	4,689,559
4,125	Municipal Subdistrict Northern Colorado, Water Conservancy District Revenue Bonds, Series 1997C, 5.250%, 12/01/15 - AMBAC Insured	12/07 at 101.00	AAA	4,451,040
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Connecticut - 0.6%				
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	3,136,590
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District of Columbia - 4.8%				
6,000	District of Columbia, General Obligation Bonds, Series 1993B-2, 5.500%, 6/01/10 - FSA Insured	No Opt. Call	AAA	6,670,020
4,250	District of Columbia, Hospital Revenue Refunding Bonds, Medlantic Healthcare Group Issue, Series 1993A, 5.750%, 8/15/14 - MBIA Insured	8/06 at 102.00	AAA	4,606,108
5	District of Columbia, General Obligation Bonds, Series 1993E, 6.000%, 6/01/09 - CAPMAC Insured	12/04 at 101.00	AAA	5,068
1,585	District of Columbia, General Obligation Refunding Bonds, Series 1993A: 6.000%, 6/01/07 - MBIA Insured	No Opt. Call	AAA	1,704,382
7,215	6.000%, 6/01/07 - MBIA Insured	No Opt. Call	AAA	7,904,249

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Principal		Optional Call		Market
	District of Columbia, University Revenue Bonds, Georgetown University Issue, Series 2001A:			
9,670	0.000%, 4/01/26 - MBIA Insured	4/11 at 42.15	AAA	2,742,219
15,235	0.000%, 4/01/30 - MBIA Insured	4/11 at 32.93	AAA	3,343,625
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Florida - 6.4%				
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	5,026,950
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	5,242,500
9,000	JEA, Florida, Water and Sewer System Revenue Bonds, Series 2001A, 5.200%, 10/01/20 (Pre-refunded to 10/01/05)	10/05 at 100.00	AA-***	9,373,140
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)	12/04 at 102.00	BBB-	5,133,550
1,380	Miami-Dade County Housing Finance Authority, Florida, Multifamily Revenue Bonds, Sunset Bay Apartments Project, Series 2000-5A, 5.850%, 7/01/20 (Alternative Minimum Tax) - FSA Insured	1/11 at 102.00	AAA	1,440,182
9,500	Sunrise, Florida, Utility System Revenue Refunding Bonds, Series 1998, 5.000%, 10/01/28 - AMBAC Insured	10/18 at 100.00	AAA	9,628,630
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Georgia - 2.4%				
3,400	Atlanta, Georgia, Water and Wastewater Revenue Bonds, Series 1999A, 5.500%, 11/01/22 - FGIC Insured	No Opt. Call	AAA	3,817,690
2,880	Georgia Municipal Electric Authority, Power Revenue Bonds, Series 1992B, 8.250%, 1/01/11	No Opt. Call	A+	3,609,994
5,500	Georgia Municipal Electric Authority, General Power Revenue Bonds, Series 1993B, 5.700%, 1/01/19 - FGIC Insured	No Opt. Call	AAA	6,238,265
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Hawaii - 1.0%				
	Honolulu City and County, Hawaii, General Obligation Bonds, Refunding and Improvement Series, 1993B:			
1,580	5.000%, 10/01/13	No Opt. Call	Aaa	1,732,233
3,720	5.000%, 10/01/13	No Opt. Call	Aa2	4,040,180
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Illinois - 14.9%				
4,000	Chicago Board of Education, Illinois, General Obligation Lease Certificates, Series 1992A, 6.250%, 1/01/15 - MBIA Insured	No Opt. Call	AAA	4,655,920
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	5,553,164
5,000	Chicago, Illinois, Sales Tax Revenue Bonds, Series 1998, 5.250%, 1/01/28 - FGIC Insured	7/08 at 102.00	AAA	5,099,050

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Principal		Optional Call		Market
	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	1,968,557
1,685	8.500%, 12/01/15 - FGIC Insured	No Opt. Call	Aaa	2,329,327
6,170	Illinois Development Finance Authority, Revenue Bonds, Greek American Nursing Project, Series 2000A, 7.600%, 4/20/40	4/11 at 105.00	Aaa	6,838,766
590	Illinois Development Finance Authority, Childcare Facility Revenue Bonds, Illinois Facilities Fund Project, Series 1992, 7.400%, 9/01/04	No Opt. Call	N/R	591,440
450	Illinois Educational Facilities Authority Revenue Bonds, Chicago College of Osteopathic Medicine, Series A, 8.750%, 7/01/05	1/05 at 100.00	AAA	479,110
	Illinois Health Facilities Authority, Revenue Refunding Bonds, Lutheran General Health System, Series 1993C:			
5,705	7.000%, 4/01/08	No Opt. Call	A+	6,244,351
4,075	7.000%, 4/01/14	No Opt. Call	A+	4,927,938
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	3,910,960
7,725	Illinois Housing Development Authority, Multifamily Program Bonds, Series 1994-5, 6.650%, 9/01/14	9/04 at 102.00	A+	7,887,302
3,410	Illinois Housing Development Authority, Section 8 Elderly Housing Revenue Bonds, Skyline Towers Apartments Project, Series 1992B, 6.875%, 11/01/17	11/04 at 100.00	A-	3,420,435
9,795	Community Unit School District No. 220 Lake, Cook, Kane and McHenry Counties, Illinois, General Obligation Bonds, Series 2002, 5.250%, 12/01/19 - FSA Insured	No Opt. Call	AAA	10,814,072
	Metropolitan Pier and Exposition Authority, Illinois, McCormick Place Expansion Project Bonds, Series 2002A:			
9,500	0.000%, 6/15/24 - MBIA Insured	6/22 at 101.00	AAA	5,047,825
4,540	5.000%, 12/15/28 - MBIA Insured	6/12 at 101.00	AAA	4,531,465
34,440	0.000%, 6/15/40 - MBIA Insured	No Opt. Call	AAA	4,522,316
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	3,922,544
2,162	Wood River Township, Madison County, Illinois, General Obligation Bonds, Series 1993, 6.625%, 2/01/14	8/04 at 102.00	N/R	1,936,498
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Indiana - 8.7%				
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	22,558,580
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	3,653,670
3,500	Indiana Educational Facilities Authority, Educational Facilities Revenue Bonds, Butler University Project, Series 2001, 5.500%, 2/01/26 - MBIA Insured	2/11 at 100.00	AAA	3,664,290
1,500		10/09 at 101.00	AAA	1,657,440

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Principal		Optional Call		Market
	Indiana Educational Facilities Authority, Revenue Bonds, University of Indianapolis, Series 1999, 5.750%, 10/01/19 - FSA Insured			
4,000	Indiana Transportation Finance Authority, Highway Revenue Bonds, Series 2003A: 5.000%, 6/01/23 - FSA Insured	6/13 at 100.00	AAA	4,084,240
6,000	5.000%, 6/01/24 - FSA Insured	6/13 at 100.00	AAA	6,087,360
2,100	Indianapolis, Indiana, Economic Development Revenue Bonds, Meadows Section 8 Project, Series 1993A, 6.000%, 7/01/23 (Alternative Minimum Tax)#	1/05 at 102.00	Ca	1,134,000
710	Kokomo Hospital Authority, Indiana, Hospital Revenue Refunding Bonds, St. Joseph Hospital and Health Center, Series 1993, 6.250%, 8/15/05	8/04 at 101.00	N/R***	727,196
5,000	M.S.D. of Warren Township, Vision 2005 School Building Corporation, Marion County, Indiana, First Mortgage Bonds, Series 2000, 5.500%, 7/15/20 - FGIC Insured	1/11 at 100.00	AAA	5,451,250
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Iowa - 0.0%				
85	Davenport, Iowa, Home Ownership Mortgage Revenue Refunding Bonds, Series 1994, 7.900%, 3/01/10	9/04 at 102.00	Aa2	85,879
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Kansas - 1.8%				
2,000	Olathe, Kansas, Health Facilities Revenue Bonds, Olathe Medical Center Project, Series 2000A, 5.500%, 9/01/25 - AMBAC Insured	9/10 at 100.00	AAA	2,091,500
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	6,329,573
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	1,802,763
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Louisiana - 1.9%				
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	3,266,787
1,750	Louisiana Local Government Environmental Facilities and Community Development Authority, GNMA Collateralized Mortgage Revenue Refunding Bonds - Sharlo Apartments Project, Series 2002A, 6.500%, 6/20/37	6/12 at 105.00	Aaa	1,916,495
5,240	Orleans Levee District, Louisiana, Levee District General Obligation Bonds, Series 1986, 5.950%, 11/01/14 - FSA Insured	12/05 at 103.00	AAA	5,680,736
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Maine - 2.6%				
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	7,893,067
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+	6,865,434
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Maryland - 2.8%				

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Principal		Optional Call		Market
3,215	Maryland Community Development Administration, Housing Revenue Bonds, Series 1996A, 5.875%, 7/01/16	1/07 at 102.00	Aa2	3,335,466
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	2,998,020
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	7,032,832
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	2,448,738
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Massachusetts - 0.0%				
35	Massachusetts Housing Finance Agency, Housing Project Revenue Refunding Bonds, Series 1993A, 6.300%, 10/01/13	10/04 at 101.00	A+	35,335
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Michigan - 5.8%				
10,225	Detroit, Michigan, Water Supply System Revenue Bonds, Senior Lien, Series 1997A, 5.000%, 7/01/27 - MBIA Insured	7/07 at 101.00	AAA	10,241,871
1,645	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	1,688,741
4,400	Hancock Hospital Finance Authority, Michigan, FHA-Insured Mortgage Hospital Revenue Bonds, Portage Health System Inc., Series 1998, 5.450%, 8/01/47 - MBIA Insured	8/08 at 100.00	AAA	4,453,196
5,000	Michigan State Building Authority, Revenue Refunding Bonds, Facilities Program, Series 2003-II, 5.000%, 10/15/29 - MBIA Insured	10/13 at 100.00	AAA	5,016,100
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	7,619,640
3,750	Michigan Strategic Fund, Collateralized Limited Obligation Revenue Refunding Bonds, Consumers Power Company Project, Series 1993B, 5.800%, 6/15/10 - CAPMAC Insured	12/04 at 101.00	AAA	3,800,888
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Minnesota - 1.6%				
2,460	Minneapolis-St. Paul Housing Finance Board, Minnesota, Single Family Mortgage Revenue Bonds, FNMA/GNMA Mortgage-Backed Securities Program, Series 1997, 5.800%, 11/01/30 (Alternative Minimum Tax)	11/07 at 102.00	AAA	2,513,382
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	3,610,355
2,685	Minnetonka, Minnesota, GNMA Collateralized Multifamily Housing Revenue Refunding Bonds, Brier Creek Project, Series 1994A, 6.450%, 6/20/24	12/04 at 102.00	AAA	2,751,669
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Mississippi - 1.4%				

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Principal		Optional Call		Market
2,000	Mississippi Higher Education Assistance Corporation, Student Loan Revenue Bonds, Senior Series 1993B, 5.800%, 9/01/06 (Alternative Minimum Tax)	9/04 at 100.00	Aaa	2,005,220
5,180	Mississippi, General Obligation Refunding Bonds, Series 2002A, 5.500%, 12/01/18	No Opt. Call	AA	5,890,437
Missouri - 0.4%				
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	2,001,660
Nebraska - 1.8%				
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	9,617,310
335	Nebraska Investment Finance Authority, Single Family Housing Revenue Bonds, Series 1998F, 5.600%, 9/01/20 (Alternative Minimum Tax)	3/07 at 101.50	AAA	344,554
Nevada - 4.7%				
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	7,143,640
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	11,478,255
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	5,365,170
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	1,750,105
855	Nevada Housing Division, Single Family Mortgage Bonds, Senior Series 1992B, 6.200%, 10/01/15	10/04 at 102.00	A1	873,032
New Hampshire - 0.0%				
10	New Hampshire Housing Finance Agency, Single Family Mortgage Acquisition Revenue Bonds, Series 1996C, 6.200%, 7/01/16 (Alternative Minimum Tax)	1/07 at 102.00	Aa2	10,457
New Jersey - 3.6%				
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-	1,221,605
2,345	New Jersey Turnpike Authority, Revenue Bonds, Series 1991C: 6.500%, 1/01/16 - MBIA Insured	No Opt. Call	AAA	2,811,514
655	6.500%, 1/01/16 - MBIA Insured	No Opt. Call	AAA	784,127
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	12,765,917
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	2,820,250

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Principal		Optional Call		Market
New York - 13.7%				
1,200	Hempstead Industrial Development Agency, New York, Resource Recovery Revenue Refunding Bonds, American REF-FUEL Company of Hempstead Project, Series 2001, 5.000%, 12/01/10 (Mandatory put 6/01/10)	No Opt. Call	A3	1,269,396
1,000	New York City, New York, General Obligation Bonds, Fiscal Series 1995A, 7.000%, 8/01/04	No Opt. Call	A	1,000,150
6,580	New York City, New York, General Obligation Bonds, Fiscal Series 1996F: 6.500%, 2/01/05	No Opt. Call	A***	6,748,711
7,730	6.500%, 2/01/05	No Opt. Call	A	7,922,864
1,350	New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 1998C: 5.000%, 5/01/26 (Pre-refunded to 5/01/08)	5/08 at 101.00	AA+***	1,475,051
35	5.000%, 5/01/26 (Pre-refunded to 5/01/08)	5/08 at 100.00	AA+***	38,242
15,530	5.000%, 5/01/26	5/08 at 101.00	AA+	15,586,529
3,630	New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 2000C: 5.875%, 11/01/16 (Pre-refunded to 5/15/10)	5/10 at 101.00	AA+***	4,174,391
5,000	5.500%, 11/01/24	5/10 at 101.00	AA+	5,298,400
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+	248,739
2,145	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	8/04 at 100.00	AAA	2,247,960
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	4,359,936
3,365	New York State Medical Care Facilities Finance Agency, Hospital and Nursing Home FHA-Insured Mortgage Revenue Bonds, Series 1994A, 6.200%, 2/15/21	8/04 at 102.00	AA	3,442,832
7,500	New York State Thruway Authority, General Revenue Bonds, Series C, 6.000%, 1/01/15 (Pre-refunded to 1/01/05) - FGIC Insured	1/05 at 102.00	AAA	7,794,600
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	7,072,750
5,400	New York Tobacco Settlement Financing Corporation, Tobacco Settlement Asset-Backed and State Contingency Contract-Backed Bonds, Series 2003A-1: 5.500%, 6/01/16	6/10 at 100.00	AA-	5,743,872
2,500	5.500%, 6/01/18	6/12 at 100.00	AA-	2,679,600
North Carolina - 3.3%				
2,675	Charlotte, North Carolina, Water and Sewer System Revenue Bonds, Series 2001, 5.500%, 6/01/13	6/11 at 101.00	AAA	2,996,027
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	2,282,100

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Principal		Optional Call		Market
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	10,697,600
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+	2,524,365
North Dakota - 0.0%				
25	Minot, North Dakota, Single Family Mortgage Revenue Refunding Bonds, Series 1993, 7.700%, 8/01/10	8/04 at 101.00	Aa2	25,208
Ohio - 3.3%				
9,000	Cleveland, Ohio, Airport System Revenue Bonds, Series 2000A, 5.000%, 1/01/31 - FSA Insured	1/10 at 101.00	AAA	9,002,070
3,000	Franklin County, Ohio, Development Revenue Bonds, American Chemical Society Project, Series 1999, 5.800%, 10/01/14	10/09 at 101.00	A	3,228,750
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)	1/05 at 103.00	Aa	1,012,690
720	Ohio Housing Finance Agency, Residential Mortgage Revenue Bonds, GNMA Mortgage-Backed Securities Program, Series 1995A-1, 6.300%, 9/01/17	3/05 at 102.00	Aaa	740,556
4,370	Toledo, Ohio, General Obligation Bonds, Series 1994, 5.750%, 12/01/09 (Pre-refunded to 12/01/04) - AMBAC Insured	12/04 at 102.00	AAA	4,521,683
Oklahoma - 2.2%				
515	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	539,669
3,495	Oklahoma County Finance Authority, Multifamily Housing First Mortgage Revenue Bonds, Multiple Apartments Project, Series 1998A: 7.000%, 4/01/18#	4/06 at 102.00	N/R	34,950
7,000	7.125%, 4/01/28#	4/06 at 102.00	N/R	70,000
9,775	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	7,704,948
3,340	Tulsa Industrial Authority, Oklahoma, Revenue and Refunding Bonds, Hillcrest Medical Center Project, Series 1996, 6.500%, 6/01/09 - CONNIE LEE/AMBAC Insured	No Opt. Call	AAA	3,841,668
Pennsylvania - 1.4%				
5,000	Pennsylvania Economic Development Financing Authority, Resource Recovery Revenue Bonds, Northampton Generating Project, Senior Lien, Series 1994A, 6.400%, 1/01/09 (Alternative Minimum Tax)	1/05 at 101.00	BBB-	5,104,150
2,600	Pennsylvania Turnpike Commission, Pennsylvania Turnpike Revenue Bonds, Series 2004A, 5.500%, 12/01/31 - AMBAC Insured	12/14 at 100.00	AAA	2,771,860

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Principal		Optional Call		Market
Puerto Rico - 3.4%				
12,390	Puerto Rico, Public Improvement General Obligation Refunding Bonds, Series 1997, 6.500%, 7/01/13 - MBIA Insured	No Opt. Call	AAA	15,020,397
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	3,889,419
Rhode Island - 2.9%				
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	16,582,400
South Carolina - 3.5%				
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	2,967,240
5,000	Piedmont Municipal Power Agency, South Carolina, Electric Revenue Refunding Bonds, Series 1991: 6.250%, 1/01/21 - FGIC Insured	No Opt. Call	AAA	5,952,900
5,750	4.000%, 1/01/23 - MBIA Insured	1/05 at 100.00	AAA	5,123,480
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	5,665,910
Tennessee - 0.3%				
1,500	Metropolitan Government of Nashville and Davidson County, Tennessee, Electric System Revenue Bonds, Series 1998A, 5.200%, 5/15/23	5/08 at 102.00	AA	1,551,060
Texas - 17.6%				
4,500	Alliance Airport Authority Inc., Texas, Special Facilities Revenue Bonds, American Airlines Inc. Project, Series 1990, 7.500%, 12/01/29 (Alternative Minimum Tax)	12/04 at 100.00	CCC	3,090,510
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	3,257,328
8,000	Dallas-Fort 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	8,798,240
2,250	Dallas-Fort 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	2,203,785
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	5,976,480
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	6,918,730
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	7,344,864

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Principal		Optional Call		Market
7,500	Houston, Texas, Water and Sewer System Junior Lien Revenue Refunding Bonds, Series 2002A, 5.750%, 12/01/32 - FSA Insured	No Opt. Call	AAA	8,415,675
5,000	Houston, Texas, Water and Sewer System Junior Lien Revenue Refunding Bonds, Series 1997D, 5.000%, 12/01/25 (Pre-refunded to 12/01/07) - FGIC Insured	12/07 at 102.00	AAA	5,486,350
7,080	Liberty County Housing Development Corporation, Texas, Multifamily Housing Revenue Bonds, Series 1999, 7.250%, 6/01/34	6/09 at 100.00	N/R	6,301,200
341	Midland Housing Finance Corporation, Texas, Single Family Mortgage Revenue Refunding Bonds, Series 1992A, 8.450%, 12/01/11	11/05 at 103.00	Aaa	356,942
	Montgomery Independent School District, Montgomery County, Texas, Unlimited Tax School Building and Refunding Bonds, Series 2001:			
2,300	5.500%, 2/15/21	2/11 at 100.00	AAA	2,487,726
2,400	5.500%, 2/15/23	2/11 at 100.00	AAA	2,533,944
	Mount Pleasant Independent School District, Titus County, Texas, General Obligation Refunding Bonds, Series 2001:			
3,025	5.000%, 2/15/26	8/11 at 100.00	Aaa	3,034,710
3,000	5.125%, 2/15/31	8/11 at 100.00	Aaa	3,021,600
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	6,053,160
3,410	Retama Development Corporation, Texas, Special Facilities Revenue Bonds, Retama Park Racetrack Project, Series 1993, 8.750%, 12/15/12	No Opt. Call	AAA	4,633,167
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	1,925,604
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	4,757,763
4,259	Texas General Services Commission, Participation Interests, Series 1992, 7.500%, 9/01/22	9/04 at 100.50	A	4,329,314
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	11/04 at 101.00	Aaa	8,904,345
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Utah - 6.6%				
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	4,301,972
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	19,287,292
	Intermountain Power Agency, Utah, Power Supply Revenue Bonds, Series 1996A:			
5,065	6.150%, 7/01/14	7/06 at 102.00	A+***	5,523,889
2,935	6.150%, 7/01/14	7/06 at 102.00	A+	3,172,207
1,435	Salt Lake City and Sandy Metropolitan Water District, Utah, Water Revenue Bonds, Series 2004, 5.000%, 7/01/21	7/14 at 100.00	Aaa	1,487,779

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Principal		Optional Call		Market
650	Utah Housing Finance Agency, Single Family Mortgage Bonds, Series 2000G, 5.875%, 7/01/27 (Alternative Minimum Tax)	7/10 at 100.00	AA	652,444
2,180	Utah Housing Finance Agency, Single Family Mortgage Bonds, Series 2001C: 5.500%, 1/01/18 (Alternative Minimum Tax)	1/11 at 100.00	AA-	2,261,052
655	5.650%, 1/01/21 (Alternative Minimum Tax)	1/11 at 100.00	Aa2	671,853
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Virginia - 1.5%				
8,190	Hampton, Virginia, Convention Center Revenue Bonds, Series 2002, 5.000%, 1/15/35 - AMBAC Insured	1/13 at 100.00	AAA	8,198,190
<hr/>				
Washington - 10.4%				
1,050	King County, Bellevue, Washington, Water and Sewer Revenue Refunding Bonds, Series 1994, 5.875%, 7/01/09 (Pre-refunded to 9/17/04)	9/04 at 100.00	Aa2	1,053,801
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	1,951,942
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	1,062,935
1,655	Everett, Washington, General Obligation Bonds, Series 1997, Limited Tax, 5.125%, 9/01/17 - FSA Insured	9/07 at 100.00	Aaa	1,750,907
1,000	Seattle Indian Services Commission, Washington, Special Obligation Bonds, Series 1994, 6.000%, 11/01/16	11/04 at 100.00	AAA	1,009,870
1,626	Skagit County Housing Authority, Washington, GNMA Collateralized Mortgage Loan Nursing Facility Revenue Bonds, Sea Mar Community Project, Series 1993, 7.000%, 6/20/35	11/04 at 104.00	AAA	1,696,861
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	1,706,850
8,155	Tacoma, Washington, Electric System Revenue Refunding Bonds, Series 2001A, 5.750%, 1/01/20 - FSA Insured	1/11 at 101.00	AAA	9,048,706
4,705	Tacoma, Washington, Sewer Revenue Refunding Bonds, Series 1994B, 8.000%, 12/01/08 - FGIC Insured	No Opt. Call	AAA	5,646,282
4,870	Washington State Tobacco Settlement Authority, Tobacco Settlement Asset-Backed Revenue Bonds, Series 2002, 6.500%, 6/01/26	6/13 at 100.00	BBB	4,580,868
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	2,007,200
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	992,920
6,080	Washington Public Power Supply System, Revenue Refunding Bonds, Nuclear Project 2, Series 1990A: 7.250%, 7/01/06	No Opt. Call	Aaa	6,688,304
395	7.250%, 7/01/06	No Opt. Call	Aaa	432,971

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Principal		Optional Call		Market
11,000	Washington Public Power Supply System, Nuclear Project 3 Revenue Refunding Bonds, Series 1993B, 7.000%, 7/01/09	No Opt. Call	Aaa	12,885,620
4,700	Washington Public Power Supply System, Nuclear Project 3 Revenue Refunding Bonds, Series 1998A, 5.125%, 7/01/18	7/08 at 102.00	Aaa	4,887,386
1,400	Washington State University, Housing and Dining System Revenue and Refunding Bonds, Series 1994, 6.375%, 10/01/18 (Pre-refunded to 10/01/04) - MBIA Insured	10/04 at 101.00	AAA	1,425,970
Wisconsin - 1.3%				
7,500	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Ministry Health Care Inc., Series 2002A, 5.250%, 2/15/32 - MBIA Insured	2/12 at 101.00	AAA	7,591,950
\$ 947,520	Total Long-Term Investments (cost \$869,986,759) - 157.2%			886,380,123
Short-Term Investments - 1.0%				
2,500	Connecticut Health and Educational Facilities Authority, Revenue Bonds, Yale University, Variable Rate Demand Obligations, Series 1997, 1.050%, 7/01/29		A-1+	2,500,000
3,000	Palm Beach County Health Facilities Authority, Florida, Revenue Bonds, Variable Rate Demand Obligations, Bethesda Healthcare System, Series 2001, 1.130%, 12/01/31		VMIG-1	3,000,000
\$ 5,500	Total Short-Term Investments (cost \$5,500,000)			5,500,000
Total Investments (cost \$875,486,759) - 158.2%				891,880,123
Other Assets Less Liabilities - 1.8%				10,172,522
Preferred Shares, at Liquidation Value - (60.0)%				(338,400,000)
Net Assets Applicable to Common Shares - 100%				\$563,652,645

- (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.
- # Non-income producing security, in the case of a bond, generally denotes that issuer has defaulted on the payment of principal or interest or has filed for bankruptcy.
- (DD1) Portion of security purchased on a delayed delivery 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

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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 July 31, 2004, the cost of investments were \$874,844,080. Gross unrealized appreciation and gross unrealized depreciation of investments at July 31, 2004 were as follows:

Gross unrealized:	
Appreciation	\$ 38,712,055
Depreciation	(21,676,012)
Net unrealized appreciation (depreciation) of investments	\$ 17,036,043

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 Rules 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934, as amended (the "Exchange Act")(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 has materially affected, or is 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 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 09/29/04

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 09/29/04

By (Signature and Title)* /s/ Stephen D. Foy--Vice President and Controller (Principal Financial Officer)

SIGNATURES

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Date 09/29/04

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