

MFS INVESTMENT GRADE MUNICIPAL TRUST
Form N-Q
October 29, 2008

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF
REGISTERED MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-5785

MFS INVESTMENT GRADE MUNICIPAL TRUST

(Exact name of registrant as specified in charter)

500 Boylston Street, Boston, Massachusetts 02116

(Address of principal executive offices) (Zip code)

Susan S. Newton

Massachusetts Financial Services Company

500 Boylston Street

Boston, Massachusetts 02116

(Name and address of agents for service)

Registrant's telephone number, including area code: (617) 954-5000

Date of fiscal year end: November 30

Date of reporting period: August 31, 2008

ITEM 1. SCHEDULE OF INVESTMENTS.

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MFS Investment Grade Municipal Trust

PORTFOLIO OF INVESTMENTS (Unaudited) 8/31/08

Issuer	Shares/Par	Value (\$)
Municipal Bonds 149.4%		
Airport and Port Revenue 0.2%		
New York, NY, City Industrial Development Authority Rev. (Terminal One Group Assn.), 5.5%, 2021	\$ 250,000	\$ 256,005
General Obligations General Purpose 5.5%		
Chicago, IL (Emergency Telecommunications Systems), FGIC, 5.5%, 2023	\$ 1,000,000	\$ 1,098,010
Chicago, IL, A, AMBAC, 6.25%, 2014	1,480,000	1,700,875
Commonwealth of Puerto Rico, Public Improvement, A, 5%, 2030 (a)	415,000	422,777
Highlands Ranch, CO, Metropolitan District, FSA, 6.5%, 2011	650,000	718,283
Highlands Ranch, CO, Metropolitan District, ETM, FSA, 6.5%, 2011 (c)	725,000	804,663
St. Clair County, IL, Capital Appreciation, FGIC, 0%, 2016 (f)	2,000,000	1,426,380
State of California, 5.75%, 2019	70,000	70,823
		\$ 6,241,811
General Obligations Improvement 1.5%		
St. Clair County, IL, Public Building Capital Appreciation, B, FGIC, 0%, 2013	\$ 2,000,000	\$ 1,653,740
General Obligations - Schools 6.0%		
Modesto, CA, High School District (Stanislaus County), A, FGIC, 0%, 2019	\$ 1,350,000	\$ 797,850
Pomona, CA, Unified School District, A, MBIA, 6.45%, 2022	1,000,000	1,132,270
San Lorenzo, CA, Unified School District, Alameda County, Election 2004, B, FGIC, 4.75%, 2037	640,000	624,250
St. Johns, MI, Public Schools, FGIC, 5.1%, 2025	1,000,000	1,077,810
West Contra Costa, CA, Unified School District, B, MBIA, 6%, 2024	250,000	281,413
Will County, IL, School District (Channahon), AMBAC, 8.5%, 2015	1,400,000	1,835,848
Frenship, TX, Independent School District, FSA, 5%, 2033	1,000,000	997,170
		\$ 6,746,611
Healthcare Revenue Hospitals 30.1%		
Allegheny County, PA, Hospital Development Authority Rev. (West Penn Allegheny Health), A, 5.375%, 2040	\$ 405,000	\$ 282,678
Arizona Health Facilities Authority Rev. (Banner Health System), D, 5.5%, 2038	535,000	523,765
Augusta County, VA, Industrial Development Authority (Augusta Health Care, Inc.), 5.25%, 2019	1,000,000	1,043,300
Boone County, MO, Hospital Rev., (Boone Hospital Center), 5.375%, 2038	135,000	128,728
Boone County, MO, Hospital Rev., (Boone Hospital Center), 5.625%, 2038	120,000	118,878
Brunswick, GA, Hospital Authority Rev. (Glynn-Brunswick Memorial Hospital), 5.625%, 2034	165,000	162,012
California Health Facilities Financing Authority Rev. (Catholic Healthcare West), I, 4.95%, 2026 (a)	200,000	204,658
California Statewide Communities Development Authority Rev. (Catholic Healthcare West) K, ASSD GTY, 5.5%, 2041	335,000	341,539
California Statewide Communities Development Authority Rev. (Children's Hospital), 5%, 2047	575,000	464,140
California Statewide Communities Development Authority Rev. (Enloe Medical Center), CHCLI, 5.75%, 2038	360,000	360,796
California Statewide Communities Development Authority Rev. (St. Joseph Health System), C, FGIC, 5.75%, 2047	490,000	504,029
Cass County, MO, Hospital Rev., 5.625%, 2038	135,000	121,657
Colorado Health Facilities Authority Rev. (Poudre Valley Health Care, Inc.), B, FSA, 5.25%, 2036	200,000	198,274
Colorado Health Facilities Authority Rev. (Poudre Valley Health Care, Inc.), C, FSA, 5.25%, 2040	175,000	172,874
District of Columbia Hospital Rev. (Children's Hospital Obligated Group), FSA, 5.25%, 2045	370,000	360,561
Glendale, AZ, Industrial Development Authority (John C. Lincoln Health), 5%, 2042	100,000	83,272
Health Care Authority for Baptist Health, AL, D, 5%, 2021	850,000	799,672
Henderson, NV, Health Care Facilities Rev. (Catholic West), A, 6.75%, 2010 (c)	440,000	480,058

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PORTFOLIO OF INVESTMENTS (Unaudited) 8/31/08 - continued

Issuer	Shares/Par	Value (\$)
Municipal Bonds continued		
Healthcare Revenue Hospitals continued		
Henderson, NV, Health Care Facilities Rev. (Catholic West), A, 6.75%, 2010 (c)	\$ 60,000	\$ 64,934
Illinois Development Finance Authority Hospital Rev. (Adventist Health Systems Sunbelt Obligatory), 5.5%, 2009 (c)	900,000	946,719
Illinois Finance Authority Rev. (Children's Memorial Hospital), A, ASSD GTY, 5.25%, 2047	540,000	528,584
Illinois Finance Authority Rev. (Edward Hospital), A, AMBAC, 5.5%, 2040	470,000	470,315
Illinois Finance Authority Rev. (Kishhealth Systems Obligations Group), 5.75%, 2028	380,000	379,533
Illinois Finance Authority Rev. (Rush University Medical Center), B, MBIA, 5.25%, 2035	100,000	95,003
Illinois Health Facilities Authority Rev. (Swedish American Hospital), 6.875%, 2010 (c)	500,000	537,840
Indiana Finance Authority Rev. (Sisters of St. Francis Health Services), 5.375%, 2032	225,000	219,668
Indiana Health & Educational Facilities Authority, Hospital Rev. (Community Foundation of Northwest Indiana), 5.5%, 2037	845,000	722,475
Indiana Health & Educational Facilities Financing Authority Rev. (Jackson County Schneck Memorial Hospital), A, 5.25%, 2036	350,000	321,195
Indiana Health & Educational Facilities Financing Authority Rev. (Sisters of St. Francis Health Services, Inc.), E, FSA, 5.25%, 2041	515,000	514,959
Indiana Health Facilities Financing Authority Rev. (Community Foundation of Northwest Indiana), A, 6%, 2034	150,000	143,411
Jackson, TN, Town Hospital Rev. (Jackson-Madison County General Hospital), 5.5%, 2033	190,000	185,244
Jackson, TN, Town Hospital Rev. (Jackson-Madison County General Hospital), 5.75%, 2041	380,000	375,569
Lake County, OH, Hospital Facilities Rev., (Lake Hospital), C, 6%, 2043	265,000	254,578
Louisiana Public Facilities Authority Hospital Rev. (Lake Charles Memorial Hospital), 6.375%, 2034	380,000	354,608
Louisville & Jefferson County, KY, Metro Government Health Facilities Rev. (Jewish Hospital, St. Mary's Healthcare), 6.125%, 2037	255,000	258,162
Lufkin, TX, Health Facilities Development Corp. Rev. (Memorial Health System), 5.5%, 2032	45,000	40,771
Lufkin, TX, Health Facilities Development Corp. Rev. (Memorial Health System), 5.5%, 2037	45,000	40,035
Maryland Health & Higher Educational Facilities Authority Rev. (Lifebridge Health), ASSD GTY, 5%, 2034	250,000	252,470
Maryland Health & Higher Educational Facilities Authority Rev. (Medstar Health), BHAC, 5.25%, 2046	365,000	367,960
Maryland Health & Higher Educational Facilities Authority Rev. (Mercy Medical Center), A, 5.5%, 2042	300,000	272,352
Maryland Health & Higher Educational Facilities Authority Rev. (University of Maryland Medical System), 6.75%, 2010 (c)	250,000	273,200
Maryland Health & Higher Educational Facilities Authority Rev. (Washington County Hospital), 5.75%, 2038	65,000	61,820
Maryland Health & Higher Educational Facilities Authority Rev. (Washington County Hospital), 6%, 2043	95,000	92,830
Massachusetts Health & Educational Facilities Authority Rev. (Civic Investments, Inc.), A, 9%, 2012 (c)	250,000	300,828
Massachusetts Health & Educational Facilities Authority Rev. (Milford-Whitinsville Regional), C, 5.75%, 2013	430,000	435,414
Massachusetts Health & Educational Facilities Authority Rev. (Quincy Medical Center), A, 6.5%, 2038	165,000	158,725
Massachusetts Health & Educational Facilities Authority Rev. (South Shore Hospital), R, 5.75%, 2009 (c)	630,000	654,986
Massachusetts Health & Educational Facilities Authority Rev., Unrefunded (South Shore Hospital), F, 5.75%, 2029	370,000	362,926
Michigan State Hospital Finance Authority (McLaren Health Care), 5.75%, 2038	390,000	386,868
New Hampshire Health & Educational Facilities Authority Rev. (Catholic Medical Center), A, 6.125%, 2012 (c)	440,000	498,027

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PORTFOLIO OF INVESTMENTS (Unaudited) 8/31/08 - continued

Issuer	Shares/Par	Value (\$)
Municipal Bonds continued		
Healthcare Revenue Hospitals continued		
New Hampshire Health & Educational Facilities Authority Rev. (Catholic Medical Center), A, 6.125%, 2032	\$ 60,000	\$ 60,183
New Hampshire Health & Educational Facilities Authority Rev. (Memorial Hospital at Conway), 5.25%, 2036	300,000	254,427
New Jersey Health Care Facilities, Financing Authority Rev. (St. Peter's University Hospital), 5.75%, 2037	415,000	391,611
New York Dormitory Authority Rev. (North Shore Long Island Jewish Group), 5.5%, 2013 (c)	100,000	112,315
New York Dormitory Authority Rev., Non-State Supported Debt (Mt. Sinai NYU Health), 5.5%, 2026	200,000	200,024
New York Dormitory Authority Rev., Non-State Supported Debt (Mt. Sinai NYU Health), C, 5.5%, 2026	300,000	300,036
Northampton County, PA, General Purpose Authority Hospital Rev., (St. Luke's Hospital), A, 5.5%, 2040	115,000	108,102
Northampton County, PA, General Purpose Authority Hospital Rev., (St. Luke's Hospital), A, 5.5%, 2035	100,000	95,019
Orange County, FL, Health Facilities Authority Hospital Rev. (Orlando Regional Healthcare), 5.75%, 2012 (c)	150,000	167,447
Orange County, FL, Health Facilities Authority Hospital Rev. (Orlando Regional Healthcare), C, MBIA, 6.25%, 2013	720,000	813,096
Orange County, FL, Health Facilities Authority Hospital Rev. (Orlando Regional Healthcare), C, ETM, 6.25%, 2013 (c)	1,740,000	2,003,436
Orange County, FL, Health Facilities Authority Hospital Rev. (Orlando Regional Healthcare), E, 6%, 2009 (c)	5,000	5,259
Orange County, FL, Health Facilities Authority Hospital Rev. (Orlando Regional Healthcare), E, 6%, 2026	170,000	173,883
Philadelphia, PA, Hospitals & Higher Education Facilities Authority Rev. (Temple University Hospital), A, 5.5%, 2030	395,000	358,624
Rhode Island Health & Educational Building Corp., Hospital Financing (Lifespan Obligated Group), 6.375%, 2012 (c)	435,000	494,991
Rhode Island Health & Educational Building Corp., Hospital Financing (Lifespan Obligated Group), 6.375%, 2021	65,000	68,927
Saline County, MO, Industrial Development Authority Rev. (John Fitzgibbon Memorial Hospital, Inc.), 5.625%, 2035	500,000	426,430
Scioto County, OH, Hospital Facilities Rev. (Southern Ohio Medical Center), 5.75%, 2038	575,000	558,170
Skagit County, WA, Public Hospital District No. 001, 5.75%, 2032	65,000	61,194
South Broward, FL, Hospital District Rev., 5.625%, 2012 (c)	1,000,000	1,110,270
South Carolina Jobs Economic Development Authority (Bon Secours - Venice Healthcare Corp.), A, 5.5%, 2012 (c)	110,000	122,047
South Carolina Jobs Economic Development Authority (Bon Secours - Venice Healthcare Corp.), B, 5.5%, 2023	390,000	395,355
South Dakota Health & Educational Facilities Authority Rev. (Sioux Valley Hospitals & Health Systems), A, 5.25%, 2034	250,000	242,040
Southwestern, IL, Development Authority Rev. (Anderson Hospital), 5.375%, 2015	380,000	385,096
Southwestern, IL, Development Authority Rev. (Anderson Hospital), 5.125%, 2036	1,000,000	842,960
St. Paul, MN, Housing & Redevelopment Authority Healthcare Facilities Rev. (Healthpartners Obligations Group), 5.25%, 2023	325,000	312,107
St. Paul, MN, Housing & Redevelopment Hospital (Healthpartners Obligated Group), 5.25%, 2036	615,000	543,236
St. Paul, MN, Port Authority Lease Rev. (Regions Hospital), 1, 5%, 2036	675,000	552,002
Sullivan County, TN, Health, Educational & Housing Facilities Board Hospital Rev. (Wellmont Health Systems Project), C, 5.25%, 2026	1,000,000	910,970
Sullivan County, TN, Health, Educational & Housing Facilities Board Hospital Rev. (Wellmont Health Systems Project), C, 5.25%, 2036	135,000	116,463
Sumner County, TN, Health, Educational & Housing Facilities Board Rev. (Sumner Regional Health), A, 5.5%, 2046	1,000,000	874,530

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PORTFOLIO OF INVESTMENTS (Unaudited) 8/31/08 - continued

Issuer	Shares/Par	Value (\$)
Municipal Bonds continued		
Healthcare Revenue Hospitals continued		
Tarrant County, TX, Cultural Education Facilities Finance Corp. (Scott and White Memorial Hospital), A, 5.5%, 2031	\$ 85,000	\$ 84,996
Tyler, TX, Health Facilities Development Corp. (East Texas Medical Center), A, 5.25%, 2032	265,000	230,974
Tyler, TX, Health Facilities Development Corp. (East Texas Medical Center), A, 5.375%, 2037	220,000	189,328
University of Kansas Hospital Authority Health Facilities Rev. (KU Health Systems), 5.625%, 2012 (c)	500,000	555,590
Washington Health Care Facilities Authority Rev. (Highline Medical Center), 6.25%, 2036	700,000	730,954
Washington Health Care Facilities Authority Rev. (Mason Medical), A, 6.25%, 2042	570,000	537,949
West Virginia Hospital Finance Authority Rev. (Thomas Health System), 6.5%, 2038	285,000	268,550
Wisconsin Health & Educational Facilities Authority Rev. (Aurora Health Care, Inc.), 6.4%, 2033	175,000	178,052
Wisconsin Health & Educational Facilities Authority Rev. (Fort Healthcare, Inc. Project), 5.375%, 2018	385,000	391,634
Wisconsin Health & Educational Facilities Authority Rev. (Wheaton Franciscan Services), 5.25%, 2034	695,000	577,469
		\$ 33,728,646
Healthcare Revenue Long Term Care 8.9%		
Abilene, TX, Health Facilities Development Corp., Retirement Facilities Rev. (Sears Methodist Retirement), A, 7%, 2033	\$ 500,000	\$ 501,670
Bucks County, PA, Industrial Development Authority, Retirement Community Rev. (Ann's Choice, Inc.), A, 6.125%, 2025	500,000	495,120
Capital Projects Finance Authority, FL (Glenridge on Palmer Ranch), A, 8%, 2012 (c)	500,000	592,765
Chartiers Valley, PA, Industrial & Commercial Development Authority Rev. (Friendship Village South), A, 5.25%, 2013	500,000	504,315
Chester County, PA, Industrial Development Authority Rev. (RHA Nursing Home), 8.5%, 2032	720,000	725,299
Cole County, MO, Industrial Development Authority, Senior Living Facilities Rev. (Lutheran Senior Services), 5.5%, 2035	500,000	459,015
Connecticut Development Authority First Mortgage Gross Rev., Health Care Project (Elim Park Baptist, Inc. Project), 5.75%, 2023	250,000	250,648
Delaware County, PA, Industrial Development Authority Rev. (Care Institute-Main Line LLC), 9%, 2031 (d)	535,000	389,180
Fulton County, GA, Residential Care Facilities (Canterbury Court), A, 6.125%, 2034	250,000	228,855
Fulton County, GA, Residential Care Facilities, First Mortgage (Lenbrook Square Foundation, Inc.), A, 5%, 2029	270,000	217,029
Illinois Finance Authority Rev. (Hoosier Care, Inc.), A, 7.125%, 2034	440,000	412,698
Illinois Finance Authority Rev. (Smith Village), A, 6.25%, 2035	500,000	454,050
Illinois Health Facilities Authority Rev. (Lutheran Senior Ministries, Inc.), 7.375%, 2011 (c)	250,000	286,045
Illinois Health Facilities Authority Rev. (Smith Crossing), A, 7%, 2032	250,000	250,288
Johnson City, TN, Health & Educational Facilities Board (Appalachian Christian Village), A, 6.25%, 2032	250,000	226,415
Juneau, AK, City & Borough Non-Recourse Rev. (St. Ann's Care Project), 6.875%, 2025	455,000	430,180
Kentwood, MI, Economic Development Ltd. (Holland Home), A, 5.375%, 2036	500,000	435,175
La Verne, CA, COP (Brethren Hillcrest Homes), B, 6.625%, 2025	350,000	355,751
Lee County, FL, Industrial Development Authority Health Care Facilities Rev. (Shell Point Village), A, 5.5%, 2009 (c)	175,000	183,978
Massachusetts Development Finance Agency Rev. (Loomis Communities, Inc.), A, 5.625%, 2015	200,000	201,238
Montgomery County, PA, Industrial Development Authority Rev. (Whitemarsh Continuing Care), 6.125%, 2028	200,000	181,954
Montgomery County, PA, Industrial Development Authority Rev. (Whitemarsh Continuing Care), 6.25%, 2035	300,000	267,795

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PORTFOLIO OF INVESTMENTS (Unaudited) 8/31/08 - continued

Issuer	Shares/Par	Value (\$)
Municipal Bonds continued		
Healthcare Revenue Long Term Care continued		
New Jersey Economic Development Authority Rev. (Lions Gate), A, 5.75%, 2025	\$ 310,000	\$ 287,082
New Jersey Economic Development Authority Rev. (Lions Gate), A, 5.875%, 2037	100,000	87,980
Savannah, GA, Economic Development Authority, First Mortgage (Marshes of Skidway), A, 7.4%, 2024	250,000	256,050
Shelby County, TN, Health, Educational & Housing Facilities Board Rev. (Germantown Village), A, 7.25%, 2034	150,000	140,030
South Carolina Jobs & Economic Development Authority, Health Facilities Rev. (Wesley Commons), 5.3%, 2036	250,000	204,880
Suffolk County, NY, Industrial Development Agency, Civic Facilities Rev. (Gurwin Jewish Phase II), 6.7%, 2039	500,000	498,650
Westminster, MD, Economic Development Rev. (Carroll Lutheran Village), A, 5.875%, 2021	500,000	491,860
		\$ 10,015,995
Human Services 0.2%		
Massachusetts Development Finance Agency Rev. (Evergreen Center, Inc.), 5%, 2024	\$ 250,000	\$ 219,000
Industrial Revenue Airlines 0.1%		
Chicago, IL, O Hare International Airport Special Facilities Rev. (American Airlines, Inc.), 5.5%, 2030	\$ 105,000	\$ 62,938
Dallas Fort Worth, TX, International Airport Facility Improvement Corp. (American Airlines, Inc.), 5.5%, 2030	105,000	61,891
		\$ 124,829
Industrial Revenue Chemicals 0.4%		
Brazos River, TX, Harbor Navigation District (Dow Chemical Co.), B-2, 4.95%, 2033	\$ 500,000	\$ 421,465
Industrial Revenue Other 3.6%		
California Statewide Communities Development Authority Facilities (Microgy Holdings Project), 9%, 2038	\$ 200,000	\$ 199,950
Gulf Coast, TX, Industrial Development Authority Rev. (CITGO Petroleum Corp.), 8%, 2028	250,000	259,280
Houston, TX, Industrial Development Corp. (United Parcel Service, Inc.), 6%, 2023	345,000	318,915
Indianapolis, IN, Airport Authority Rev., Special Facilities (FedEx Corp.), 5.1%, 2017	250,000	236,380
Michigan Strategic Fund Ltd. Obligation Rev. (Michigan Sugar Co., Carrollton), 6.55%, 2025	250,000	244,685
Missouri Development Finance Board Solid Waste Disposal Rev. (Procter & Gamble Paper Products), 5.2%, 2029	250,000	245,663
New Jersey Economic Development Authority Rev. (GMT Realty LLC), B, 6.875%, 2037	500,000	486,875
Toledo Lucas County, OH, Authority Port Rev., Facilities (CSX, Inc. Project), 6.45%, 2021	1,000,000	1,048,160
Washington County, NE, Wastewater Facilities Rev. (Cargill, Inc. Project), 5.9%, 2027	1,000,000	1,014,530
		\$ 4,054,438
Industrial Revenue Paper 1.4%		
Camden, AL, Industrial Development Board Exempt Facilities Rev., B (Weyerhaeuser Co.), 6.375%, 2024	\$ 275,000	\$ 313,816
Camden, AR, Environmental Improvement Rev. (International Paper Co.), A, 5%, 2018	500,000	447,895
Escambia County, FL, Environmental Improvement Rev. (International Paper Co.), A, 5.75%, 2027	250,000	220,710
Lowndes County, MS, Solid Waste Disposal & Pollution Control Rev. (Weyerhaeuser Co.), B, 6.7%, 2022	325,000	332,846
Rockdale County, GA, Development Authority Project Rev. (Visy Paper Project), A, 6.125%, 2034	320,000	303,638
		\$