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MFS INVESTMENT GRADE MUNICIPAL TRUST

Form N-Q

October 29, 2007

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, 2007

ITEM 1. SCHEDULE OF INVESTMENTS.

MFS(R) INVESTMENT GRADE MUNICIPAL TRUST

8/31/07

Quarterly portfolio holdings

[graphic omitted]

M F S(R)
INVESTMENT MANAGEMENT

MFS Investment Grade Municipal Trust
PORTFOLIO OF INVESTMENTS (Unaudited) 8/31/07

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ISSUER

MUNICIPAL BONDS - 147.4%

AIRPORT & PORT REVENUE - 2.8%

Massachusetts Port Authority Rev., "C", FGIC, 5.75%, 2010 (c) (u) \$

New York, NY, City Industrial Development Authority Rev. (Terminal One Group Assn.), 5.5%, 2021

Port Authority of NY & NJ, Special Obligations Rev. (JFK International Airport Terminal-6), MBIA, 6.25%, 2008

ASSET BACKED & SECURITIZED - 0.2%

Pass-Through Certificates, "1993", 9.75%, 2016 (z) \$

GENERAL OBLIGATIONS - GENERAL PURPOSE - 8.1%

Chicago, IL, "A", AMBAC, 6.25%, 2014 \$

Chicago, IL, (Emergency Telecommunications Systems), FGIC, 5.5%, 2023

Commonwealth of Massachusetts, "C", 5.25%, 2017

Commonwealth of Puerto Rico, Public Improvement, FSA, 5.5%, 2017

Commonwealth of Puerto Rico, Public Improvement, "A", 5%, 2030

Highlands Ranch, CO, Metropolitan District, FSA, 6.5%, 2011

Highlands Ranch, CO, Metropolitan District, ETM, FSA, 6.5%, 2011 (c)

New York, NY, "J", 5.5%, 2018 (c)

Puerto Rico Government Development Bank, "B", 5%, 2015

Puerto Rico Infrastructure Financing Authority, "B", 5%, 2026

St. Clair County, IL, Capital Appreciation, FGIC, 0%, 2016 (f)

State of California, 5.75%, 2019

GENERAL OBLIGATIONS - IMPROVEMENT - 1.3%

St. Clair County, IL, Public Building Capital Appreciation, "B", FGIC, 0%, 2013 \$

GENERAL OBLIGATIONS - SCHOOLS - 4.5%

Garden City, MI, School District, 5.5%, 2011 (c) \$

Modesto, CA, High School District (Stanilaus County), "A", FGIC, 0%, 2019

Pomona, CA, Uni School District, "A", MBIA, 6.45%, 2022

St. Johns, MI, Public Schools, FGIC, 5.1%, 2025

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West Contra Costa, CA, Uni School District, "B", MBIA, 6%, 2024

Will County, IL, School District, (Channahon), AMBAC, 8.5%, 2015

HEALTHCARE REVENUE - HOSPITALS - 22.7%

Allegheny County, PA, Hospital Development Authority Rev. (West Penn Allegheny Health), "A", 5.375%, 2040

\$

Augusta County, VA, Industrial Development Authority (Augusta Health Care, Inc.), 5.25%, 2019

California Health Facilities Financing Authority Rev. (Catholic Healthcare West), "I", 4.95%, 2026

Cape Girardeau County, MO, Industrial Development Authority Rev. (Southeast Missouri Hospital), 5%, 2027

Colorado Health Facilities Authority Rev. (National Jewish Medical & Research Center), 5.375%, 2029

Colorado Health Facilities Authority Rev. (Parkview Medical Center), 5%, 2025

Colorado Health Facilities Authority Rev. (Vail Valley Medical Center), 5%, 2020

Delaware Health Facilities Authority Rev. (Beebe Medical Center Project), "A", 5%, 2016

Glendale, AZ, Industrial Development Authority, (John C Lincoln Health), 5%, 2042

Health Care Authority for Baptist Health, "D", 5%, 2021

Henderson, NV, Health Care Facilities Rev. (Catholic West), "A", 6.75%, 2010 (c)

Henderson, NV, Health Care Facilities Rev. (Catholic West), "A", 6.75%, 2010 (c)

Hillsborough County, FL, Industrial Development Tampa General Hospital Project Rev., 5%, 2021

Illinois Development Finance Authority Hospital Rev. (Adventist Health Systems Sunbelt Obligatory), 5.5%, 2009 (c)

Illinois Health Facilities Authority Rev. (Swedish American Hospital), 6.875%, 2010 (c)

Indiana Health & Educational Facilities Financing Authority Rev. (Jackson County Schneck Memorial Hospital), "A", 5.25%, 2036

Indiana Health & Educational Facilities Hospital Rev. (Community Foundation of Northwest Indiana), 5.5%, 2037

Indiana Health Facilities Financing Authority Rev. (Community Foundation of Northwest Indiana), "A", 6%, 2034

Lakewood, OH, Hospital Improvement Rev. (Lakewood Hospital Assn.), 5.5%, 2014

Lexington County, SC, Health Services Rev. (Lexington Medical Center), 5.5%, 2013 (c)

Louisiana Public Facilities Authority Rev. (Touro Infirmary Project), "A", 5.625%, 2029

Maryland Health & Higher Educational Facilities Authority Rev. (Adventist Healthcare),

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"A", 5.75%, 2025

Maryland Health & Higher Educational Facilities Authority Rev. (Adventist Healthcare),
"A", 5%, 2016

Maryland Health & Higher Educational Facilities Authority Rev. (University of Maryland
Medical System), 6.75%, 2010 (c)

Massachusetts Health & Educational Facilities Authority Rev. (Civic Investments, Inc.),
"A", 9%, 2012 (c)

Massachusetts Health & Educational Facilities Authority Rev. (Milford Whitinsville
Regional), "C", 5.75%, 2013

Massachusetts Health & Educational Facilities Authority Rev. (South Shore Hospital),
"F", 5.75%, 2029

Michigan Hospital Finance Authority Rev. (Oakwood Obligated Group), 5.5%, 2018

New Hampshire Health & Educational Facilities Authority Rev. (Catholic Medical
Center), "A", 6.125%, 2012 (c)

New Hampshire Health & Educational Facilities Authority Rev. (Catholic Medical
Center), "A", 6.125%, 2032

New Hampshire Health & Educational Facilities Authority Rev. (Memorial Hospital at
Conway), 5.25%, 2036

New York Dormitory Authority Rev. (North Shore Long Island Jewish Group), 5.5%, 2013 (c)

New York Dormitory Authority Rev., Non State Supported Debt (Mt. Sinai NYU
Health), 5.5%, 2026

New York Dormitory Authority Rev., Non State Supported Debt (Mt. Sinai NYU
Health), "C", 5.5%, 2026

Orange County, FL, Health Facilities Authority Rev. (Orlando Regional Healthcare),
"C", ETM, 6.25%, 2013 (c)

Orange County, FL, Health Facilities Authority Rev. (Orlando Regional Healthcare),
5.75%, 2012 (c)

Orange County, FL, Health Facilities Authority Rev. (Orlando Regional Healthcare),
"C", MBIA, 6.25%, 2013

Orange County, FL, Health Facilities Authority Rev. (Orlando Regional Healthcare),
"E", 6%, 2009 (c)

Orange County, FL, Health Facilities Authority Rev. (Orlando Regional Healthcare),
"E", 6%, 2026

Philadelphia, PA, Hospitals & Higher Education Facilities Authority Rev. (Temple
University Hospital), "A", 5.5%, 2030

Rhode Island Health & Educational Building Corp., Hospital Financing (Lifespan
Obligated Group), 6.375%, 2012 (c)

Rhode Island Health & Educational Building Corp., Hospital Financing (Lifespan
Obligated Group), 6.375%, 2021

Saline County, MO, Industrial Development Authority Rev. (John Fitzgibbon Memorial
Hospital, Inc.), 5.625%, 2035

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South Broward, FL, Hospital District Rev., 5.625%, 2012 (c)

South Carolina Jobs, Economic Development Authority (Bon Secours - St. Francis Medical Center), 5.5%, 2023

South Dakota Health & Educational Facilities Authority Rev. (Sioux Valley Hospitals & Health Systems), "A", 5.25%, 2034

Southwestern Illinois Development Authority Rev. (Anderson Hospital), 5.125%, 2036

Southwestern, IL, Development Authority Rev. (Anderson Hospital), 5.375%, 2015

St. Paul, MN, Housing & Redevelopment Authority Healthcare Facilities Rev. (Healthpartners Obligations Group PJ), 5.25%, 2023

St. Paul, MN, Housing & Redevelopment Authority Hospital Rev. (Healtheast Project), 5.15%, 2020

St. Paul, MN, Housing & Redevelopment Authority Hospital Rev. (Healtheast), "A", 5.7%, 2015

St. Paul, MN, Port Authority Lease Rev. (Regions Hospital Parking Ramp Project), "1", 5%, 2036

Sullivan County, TN, Health Educational & Housing Facilities Board Hospital Rev. (Wellmont Health Systems Project), "C", 5.25%, 2026

Sumner County, TN, Health, Educational & Housing Facilities Board Rev. (Sumner Regional Health), "A", 5.5%, 2046

Turlock, CA, Health Facilities Rev. (Emanuel Medical Center), 5.375%, 2034

University of Kansas Hospital Authority Health Facilities Rev. (KU Health Systems), 5.625%, 2012 (c)

University of Kansas Hospital Authority Health Facilities Rev. (KU Health Systems), 5%, 2036

Wisconsin Health & Educational Facilities (Fort Healthcare, Inc. Project), 5.375%, 2018

Wisconsin Health & Educational Facilities Authority Rev. (Aurora Health Care, Inc.), 6.4%, 2033

Wisconsin Health & Educational Facilities Authority Rev. (Wheaton Franciscan Services), "A", 5.125%, 2033

HEALTHCARE REVENUE - LONG TERM CARE - 15.3%

Abilene, TX, Health Facilities Development Corp., Retirement Facilities Rev. (Sears Methodist Retirement), "A", 7%, 2033

\$

Bexar County, TX, Health Facilities Development Corp. (Army Retirement Residence), 5%, 2033

Bucks County, PA, Industrial Development Authority, Retirement Community Rev. (Ann's Choice, Inc.), 6.125%, 2025

Capital Projects Finance Authority, FL (Glenridge on Palmer Ranch), "A", 8%, 2012 (c)

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Chartiers Valley, PA, Industrial & Commercial Development Authority Rev. (Friendship Village South), "A", 5.25%, 2013

Chester County, PA, Industrial Development Authority Rev. (RHA Nursing Home), 8.5%, 2032

Clackamas County, OR, Hospital Facilities Authority Rev. (Robison Jewish Home), 5.25%, 2027

Cole County, MO, Industrial Development Authority, Senior Living Facilities Rev. (Lutheran Senior Services), 5.5%, 2035

Colorado Health Facilities Authority Rev. (Covenant Retirement Communities, Inc.), 5%, 2016

Colorado Health Facilities Authority Rev. (Evangelical Lutheran Society), 5%, 2035

Connecticut Development Authority First Mortgage Gross Rev., Health Care Project (The Elim Park Baptist, Inc. Project), 5.75%, 2023

Delaware County Authority Rev., PA (Dunwoody Village), "A", 5.375%, 2017

Delaware County, PA, Industrial Development Authority Rev. (Care Institute-Main Line LLC), 9%, 2031 (d)

Delaware Economic Development Authority Healthcare Facilities Rev. (Churchman Village Project), "A", 10%, 2021

Fulton County, GA, Residential Care Facilities (Canterbury Court), "A", 6.125%, 2034

Fulton County, GA, Residential Care Facilities, First Mortgage (Lenbrook Square Foundation, Inc.), "A", 5%, 2029

Illinois Finance Authority Rev. (Hoosier Care, Inc.), "A", 7.125%, 2034

Illinois Finance Authority Rev. (Lutheran Senior Services), 5.125%, 2026

Illinois Finance Authority Rev. (Washington & Jane Smith Community), "A", 6.25%, 2035

Illinois Health Facilities Authority Rev. (Lutheran Senior Ministries, Inc.), 7.375%, 2011 (c)

Illinois Health Facilities Authority Rev. (Washington & Jane Smith Community), "A", 7%, 2032

Johnson City, TN, Health & Educational Facilities Board (Appalachian Christian Village), "A", 6.25%, 2032

Juneau, AK, City & Boro Non-recourse Rev. (St. Ann's Care Project), 6.875%, 2025

Kentwood, MI, Economic Development Ltd. (Holland Home), "A", 5.375%, 2036

La Verne, CA, COP (Brethren Hillcrest Homes), "B", 6.625%, 2025

Lee County, FL, Industrial Development Authority Health Care Facilities Rev., (Shell Point Village), "A", 5.5%, 2009 (c)

Massachusetts Development Finance Agency Rev. (Loomis Communities Project), "A", 5.625%, 2015

Montana Facility Finance Authority Rev. (Senior Living St. Johns Lutheran), "A", 6.125%, 2036

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Montgomery County, PA, Industrial Development Authority Rev. (Whitemarsh Continuing Care), 6.125%, 2028

Montgomery County, PA, Industrial Development Authority Rev. (Whitemarsh Continuing Care), 6.25%, 2035

New Jersey Economic Development Authority Rev. (Cranes Mill Project), "A", 5.1%, 2027

New Jersey Economic Development Authority Rev. (Lions Gate Project), "A", 5.875%, 2037

New Jersey Economic Development Authority Rev., First Mortgage (Lions Gate Project), "A", 5.75%, 2025

New Jersey Economic Development Authority Rev., First Mortgage (Winchester), "A", 5.75%, 2024

North Carolina Community Medical Care Facilities Rev. (DePaul Community Facilities), 6.125%, 2028

North Carolina Medical Care Commission Retirement Facilities Rev. (United Methodist Retirement Homes, Inc.), 5.25%, 2024

Savannah, GA, Economic Development Authority Rev. (Marshes of Skidway), "A", 7.4%, 2024

Shelby County, TN, Health, Educational & Housing Facilities Board Rev. (Germantown Village), "A", 7.25%, 2034

Shelby County, TN, Health, Educational & Housing Facilities Board Rev. (Trezevant Manor), "A", 5.75%, 2037

South Carolina Jobs & Economic Development Authority, Health Facilities Rev. (Wesley Commons), 5.3%, 2036

Suffolk County, NY, Industrial Development Agency, Civic Facilities Rev. (Gurwin Jewish Phase II), 6.7%, 2039

Suffolk, VA, Industrial Development Authority, Retirement Facilities Rev. (Lake Prince Center, Inc.), 5.3%, 2031

Tarrant County, TX, Cultural Education Facilities Finance Corp. (Edgemere Project), "A", 6%, 2036

Westminster, MD, Economic Development Rev. (Carroll Lutheran Village), "A", 5.875%, 2021

Winchester, VA, Industrial Development Authority Rev., Residential Care Facilities (Westminster-Canterbury), "A", 5.3%, 2035

Wisconsin Health & Educational Facilities Authority Rev. (Eastcastle Place, Inc. Project), 6.125%, 2034

Wisconsin Health & Educational Facilities Authority Rev. (Milwaukee Catholic Home), 5%, 2026

Wisconsin Health & Educational Facilities Authority Rev. (Three Pillars Sen Communities), 5.6%, 2023

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HUMAN SERVICES - 0.2%

 Massachusetts Development Finance Agency Rev. (Evergreen Center, Inc.), 5%, 2024 \$

INDUSTRIAL REVENUE - AIRLINES - 0.8%

 Charlotte, NC, Douglas International Airport Special Facilities Rev. (U.S. Airways, Inc.), 7.75%, 2028 \$

 New Jersey Economic Development Authority Special Facilities Rev. (Continental Airlines, Inc.), 6.25%, 2019

 INDUSTRIAL REVENUE - CHEMICALS - 0.4%

 Brazos River, TX, Harbor Navigation District (Dow Chemical Co.), "B-2", 4.95%, 2033 \$

INDUSTRIAL REVENUE - ENVIRONMENTAL SERVICES - 0.4%

 Ohio Solid Waste Rev. (Republic Services, Inc.), 4.25%, 2033 \$

INDUSTRIAL REVENUE - OTHER - 5.2%

 Gulf Coast, TX, Industrial Development Authority Rev. (Citgo Petroleum Corp.), 8%, 2028 \$

 Houston, TX, Industrial Development Corp. (United Parcel Service, Inc.), 6%, 2023

 Indianapolis, IN, Airport Authority Rev., Special Facilities (FedEx Corp.), 5.1%, 2017

 Michigan Strategic Funding Ltd Obligatory Rev. (Michigan Sugar Comp. Carrollton), 6.55%, 2025

 Mississippi Business Finance Corp. (Northrop Grumman Ship Systems), 4.55%, 2028

 Missouri Development Finance Board Solid Waste Disposal Rev. (Proctor & Gamble Paper Products), 5.2%, 2029

 New Jersey Economic Development Authority Rev. (GMT Realty LLC), "B", 6.875%, 2037

 St. John Baptist Parish, LA (Marathon Oil Corp.), "A", 5.125%, 2037

 Toledo Lucas County, OH, Authority Port Rev. Facilities (CSX, Inc. Project), 6.45%, 2021

 Washington County, NE, Wastewater Facilities Rev. (Cargill, Inc. Project), 5.9%, 2027

 INDUSTRIAL REVENUE - PAPER - 1.4%

 Camden, AL, Industrial Development Board Exempt Facilities Rev. (Weyerhaeuser Co.), "B", 6.375%, 2024 \$

 Camden, AR, Environmental Improvement Rev. (International Paper Co.), "A", 5%, 2018

 Escambia County, FL, Environmental Import Rev. (International Paper Co.), 5.75%, 2027

 Lowndes County, MS, Solid Waste Disposal & Pollution Control Rev. (Weyerhaeuser Co.), "B", 6.7%, 2022

 Rockdale County, GA, Development Authority Project Rev. (Visy Paper Project), "A", 6.125%, 2034

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MISCELLANEOUS REVENUE - ENTERTAINMENT & TOURISM - 0.9%

Cabazon Band Mission Indians, CA, 8.375%, 2015 (z) \$

Cabazon Band Mission Indians, CA, 8.75%, 2019 (z)

Cow Creek Band Umpqua Tribe of Indians, OR, "C", 5.625%, 2026 (n)

New York Liberty Development Corp. Rev. (National Sports Museum), "A", 6.125%, 2019

MISCELLANEOUS REVENUE - OTHER - 3.3%

Boston, MA, Industrial Development Financing Authority Rev. (Crosstown Center Project), 6.5%, 2035 \$

District of Columbia Rev. (Smithsonian Institution), 5%, 2028

Louisiana Public Facilities Authority Rev. (Pennington Medical Foundation Project), 5%, 2021

Middlesex County, NJ, Improvement Authority (Heldrich Associates LLC), "B", 6.25%, 2037

New York Convention Center Operating Corp. (Yale Building), ETM, 0%, 2008 (c)

Summit County, OH, Port Authority Building Rev. (Seville Project), "A", 5.1%, 2025

V Lakes Utility District Ranking Water Systems Rev., 8.25%, 2024 (d)

MULTI-FAMILY HOUSING REVENUE - 7.9%

Broward County, FL, Housing Finance Authority Rev. (Chaves Lakes Apartments Ltd.), "A", 7.5%, 2040 \$

Capital Trust Agency, FL, Housing Authority Rev. (Atlantic Housing Foundation), "C", 5.875%, 2028

Charter Mac Equity Issuer Trust, 6.3%, 2019 (n)

Charter Mac Equity Issuer Trust, "B", 7.6%, 2010 (n)

Clay County, FL, Housing Finance Authority Rev. (Madison Commons Apartments), "A", 7.45%, 2040

District of Columbia Housing Finance Agency (Henson Ridge), FHA, 5.1%, 2037

Durham, NC, Durham Housing Authority Rev. (Magnolia Pointe Apartments), 5.65%, 2038

GMAC Municipal Mortgage Trust, "B-1", 5.6%, 2039 (n)

Massachusetts Housing Finance Agency Rev., "B", 5%, 2030

Massachusetts Housing Finance Agency Rev., "E", 5%, 2028

Montgomery County, OH, Multi-Family Housing Rev. (Chevy Chase Apartments), 4.95%, 2035

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Munimae TE BD Subsidiary LLC, 5.5%, 2049 (n)

New Mexico Mortgage Finance Authority, Multi-Family Housing Rev. (FHA Sun Pointe Apartments), "E", FHA, 4.8%, 2040

New York, NY, City Housing Development Corp., "F-1", 4.65%, 2025

North Carolina Medical Care Commission, Health Care Facilities Rev. (ARC Projects), "A", 5.8%, 2034

Seattle, WA, Housing Authority Rev., Capped Fund Program (High Rise Rehab), "I", FSA, 5%, 2025

Tacoma, WA, Housing Authority Multifamily Rev. (HSG-GNMA Collateral Mortgage Loans Redwood), 5.05%, 2037

White Bear Lake, MN, Multi-Family Housing Rev. (Birch Lake Townhomes), "A", 10.25%, 2019

White Bear Lake, MN, Multi-Family Housing Rev. (Birch Lake), "B", 0%, 2019

SALES & EXCISE TAX REVENUE - 3.8%

Bolingbrook, IL, Sales Tax Rev., 0% to 2008, 6.25% to 2024

\$

New York Local Government Assist Corp., "E", 5%, 2021

Tampa, FL, Sports Authority Rev. (Sales Tax-Tampa Bay Arena), MBIA, 5.75%, 2025

Wyandotte County, KS, Unified Government Special Obligation Rev. (Sales Tax - Second Lien Area B), 5%, 2020

SINGLE FAMILY HOUSING - LOCAL - 0.8%

Chicago, IL, Single Family Mortgage Rev., "A", GNMA, 7.15%, 2031

\$

Minneapolis & St. Paul Housing Authority Rev. (City Living), "A-2", GNMA, 5%, 2038

Pittsburgh, PA, Urban Redevelopment Authority Rev., "C", GNMA, 4.8%, 2028

SINGLE FAMILY HOUSING - OTHER - 0.8%

Maine Housing Authority Mortgage, "A-2", 4.95%, 2027

\$

North Dakota Housing Finance Agency Rev., "A", 4.85%, 2021

SINGLE FAMILY HOUSING - STATE - 2.1%

Colorado Housing & Finance Authority Rev. (Single Family Project), "B-2", 7.25%, 2031

\$

Montana Board Housing (Single Family Mortgage), "A", 5%, 2036

Oklahoma Housing Finance Agency, Single Family Mortgage Rev. (Homeownership

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Loan Project), "C", GNMA, 4.9%, 2021

Tennessee Housing Development Agency (Homeownership Program 2007), 4.65%, 2027

SOLID WASTE REVENUE - 3.1%

Delaware County, PA, Industrial Development Authority Rev. (American Ref-Fuel),
"A", 6.1%, 2013

\$

Lee County, FL, Solid Waste Systems Rev., "A", AMBAC, 5%, 2017

Massachusetts Industrial Finance Agency Res Recovery Rev. (Ogden Haverhill
Project), "A", 5.45%, 2012

STATE & AGENCY - OTHER - 0.9%

New York Dormitory Authority Rev., State University Facilities, "C", FSA, 5.75%, 2017

\$

STATE & LOCAL AGENCIES - 15.2%

Andover, MN, Economic Development Authority Public Facilities Lease Rev. (Andover
Community Center), 5%, 2014 (j)

\$

Andover, MN. Economic Development Authority Public Facilities Lease Rev. (Andover
Community Center), 5%, 2019 (c)

Arizona Game & Fish Department (AGF Administration Building Project), 5%, 2026

Berkeley County, SC, School District Installment Lease (Securing Assets for
Education), 5%, 2028

Compton, CA, COP (Civic Center), "A", 5.5%, 2015

Dorchester County, SC, School District No. 2, Growth Remedy Opportunity Tax Hike,
5.25%, 2029

Golden State, CA, Tobacco Securitization Corp., Tobacco Settlement Rev., Enhanced,
"B", 5.5%, 2013 (c)

Hibbing, MN, Economic Development Authority Rev. (Public Project Hibbing Lease
Obligations), 6.4%, 2012

Indiana Office Building Commission Correction Facilities Program Rev. (Women's
Prison), "B", AMBAC, 6.25%, 2016

Kentucky Property & Buildings Commission Rev. (Project 73), 5.5%, 2014

Lancaster Educational Assistance Program, Inc., School District Lancaster County
Project, 5%, 2026

Laurens County, SC, School District No. 55, Installment Purchase Rev., 5.25%, 2030

Los Angeles County, CA, Schools Regionalized Business Services Corp. (Capital
Appreciation-Pooled Financing), "A", AMBAC, 0%, 2021

Missouri Development Finance Board Infrastructure Facilities Rev. (Eastland Center
Project), "A", 5%, 2021

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Montana Facilities Finance Authority Healthcare Facilities Rev. (Master Loan Program Children's Home), "B", 4.75%, 2024

 New York Dorm Authority Rev., "A", 5.75%, 2018

 Newberry, SC, Investing in Children's Education (Newberry County School District Program), 5%, 2030

 St. Louis, MO, Industrial Development Authority Leasehold Rev. (Convention Center Hotel), AMBAC, 0%, 2018

 Utah Building Ownership Authority Lease Rev. (St. Facilities Master Lease Program), "C", FSA, 5.5%, 2019

 West Virginia Building Commission Lease Rev. (WV Regional Jail), "A", AMBAC, 5.375%, 2018

 STUDENT LOAN REVENUE - 2.4%

 Connecticut Higher Education Supplemental Loan Authority Rev. (Senior Family Education Loan Program), "A", MBIA, 4.25%, 2019

\$

 Nebhelp, Inc. Nebraska Rev. Jr., "A-6", MBIA, 6.45%, 2018

 TAX - OTHER - 3.8%

 Dallas County, TX, Flood Control District, 7.25%, 2032

\$

 Dona Ana County, NM, Gross Receipts Tax Rev., AMBAC, 5.5%, 2015

 Hoffman Estates, IL, Park District Debt Certificate, 5%, 2016

 New Jersey Economic Development Authority Rev. (Cigarette Tax), 5.75%, 2029

 New York, NY, City Transitional Finance Authority Rev., "A", 5%, 2026

 TAX ASSESSMENT - 6.1%

 Atlanta, GA, Tax Allocation (Eastside Project), "A", 5.625%, 2016

\$

 Celebration Community Development District, FL, "A", 6.4%, 2034

 Chicago, IL, Tax Increment Allocation (Pilsen Redevelopment), "B", 6.75%, 2022

 Coralville, IA, Urban Renewal Rev., Tax Increment, "C", 5.125%, 2039

 Double Branch Community Development District, FL, "A", 6.7%, 2034

 Du Page County, IL, Special Service Area (Monarch Landing Project), 5.4%, 2016

 Grand Bay at Doral Community Development, FL, "B", 6%, 2017

 Huntington Beach, CA, Community Facilities District, Special Tax (Grand Coast Resort), "2000-1", 6.45%, 2031

 Lincoln, CA, Special Tax, (Community Facilities District), "2003-1", 5.55%, 2013 (c)

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Lincolnshire, IL, Special Service Area No. 1 (Sedgebrook Project), 6.25%, 2034

Oakdale, CA, Public Financing Authority Tax Allocation Rev. (Central City
Redevelopment Project), 5.375%, 2033

Plano, IL, Special Service Area No. 4 (Lakewood Springs Project Unit 5-B), 6%, 2035

Portage, IN, Economic Development Rev. (Ameriplex Project), 5%, 2027

Riverside, MO, Tax Increment Rev. (L-385 Levee Project), 5.25%, 2020

Seven Oaks, FL, Community Development District II Special Assessment Rev., "A",
5.875%, 2035

Seven Oaks, FL, Community Development District II Special Assessment Rev., "B",
5%, 2009

Volo Village, IL, Special Service Area No. 3, Special Tax (Symphony Meadows
Project), "1", 6%, 2036

West Villages Improvement District, FL, Special Assessment Rev. (Unit of
Development No. 3), 5.5%, 2037

Westridge, FL, Community Development District, Capital Improvement Rev., 5.8%, 2037

TOBACCO - 3.2%

Badger, WI, Tobacco Asset Securitization Corp., 6.375%, 2032

\$

Golden State, CA, Tobacco Securitization Corp., Tobacco Settlement Rev., "A-1",
6.25%, 2013 (c)

Golden State, CA, Tobacco Securitization Corp., Tobacco Settlement Rev., "A-1",
5.75%, 2047

Inland Empire, CA, Tobacco Securitization Corp., Tobacco Settlement Rev., Asset
Backed, "C-1", 0%, 2036

Michigan Tobacco Settlement Finance Authority, Tobacco Settlement Asset, "A", 6%, 2048

South Carolina Tobacco Settlement Authority Rev., "B", 6.375%, 2028

Tobacco Securitization Authority of Southern California Rev., Asset Backed (San
Diego Country Tobacco Asset Securitization Corp.), 0%, 2046

TSASC, Inc., NY, "1", 5.125%, 2042

Virginia Tobacco Settlement Financing Corp., "B-1", 5%, 2047

TOLL ROADS - 2.4%

Foothill/Eastern Corridor Agency Toll Road Rev., "A", 5%, 2035

\$

Northwest Parkway, CO, Public Highway Authority (First Tier), "D", 7.125%, 2041

San Joaquin Hills, CA, Transportation Corridor Agency Toll Road Rev., "A", MBIA,
0%, 2015

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 TRANSPORTATION - SPECIAL TAX - 1.0%

Regional Transportation Authority IL, Ser C,, FGIC, 7.75%, 2020 \$

 UNIVERSITIES - COLLEGES - 9.2%

Broward County, FL, Educational Facilities Authority Educational Facilities (Nova Southeastern), "B", 5.5%, 2024 \$

Chicago, IL, St. University Rev. Auxiliary Facilities Systems, MBIA, 5.5%, 2023

Maryland Health & Higher Educational Facilities Authority Rev. (Loyola College), "A", 5.125%, 2045

Massachusetts Development Finance Agency Rev. (Western New England College), 6.125%, 2012 (c)

Metropolitan Government Nashville & Davidson County Health & Educational Facilities Board Rev. (Meharry Medical College), AMBAC, 6%, 2016

Missouri Health & Educational Facilities Authority Rev. (Central Institute for the Deaf), RADIAN, 5.85%, 2010 (c)

New York Urban Development Corp. Rev. (St. Facilities), 5.6%, 2015

Pennsylvania Higher Educational Facilities Authority Rev. (University of Philadelphia), "A", 5.125%, 2025

Texas Tech University Rev. (Improvement Financing Systems), AMBAC, 5%, 2009 (c)

University of Minnesota, "A", ETM, 5.75%, 2014 (c)

University of Minnesota, "A", ETM, 5.5%, 2021 (c)

 UNIVERSITIES - DORMITORIES - 0.4%

Middlesex County, NJ, Improvement Authority, (Street Student Housing Project), "A", 5%, 2018 \$

Minneapolis, MN, Student Housing Rev. (Riverton Community Housing Project), "A", 5.7%, 2040

 UNIVERSITIES - SECONDARY SCHOOLS - 1.2%

Illinois Finance Authority Rev. (Chicago Charter School Foundation), 5%, 2036 \$

Louisville & Jefferson County Government Industrial Building Rev. (Sisters Of Mercy Cincinnati), 5%, 2035

New Hampshire Business Finance Authority Rev. (Proctor Academy Project), "A", 5.4%, 2017

 UTILITIES - COGENERATION - 1.5%

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Carbon County, PA, Industrial Development Authority Rev. (Panther Creek Partners), 6.65%, 2010	\$
Pennsylvania Economic Development Financing Authority Rev., Resources Recovery Rev. (Colver), "G", 5.125%, 2015	
Puerto Rico Industrial, Tourist, Educational, Medical & Environmental Central Facilities (Cogeneration Facilities - AES Puerto Rico Project), 6.625%, 2026	
Suffolk County, NY, Industrial Development Agency Rev. (Nissequoque Cogeneration Partners Facilities), 5.5%, 2023	
Western Generation Agency, Cogeneration Project Rev. (Wauna Cogeneration Project), "B", 5%, 2016	

UTILITIES - INVESTOR OWNED - 10.2%	

Brazos River Authority, TX, Pollution Control Rev. (Texas Utility Co.), 7.7%, 2033	\$
Brazos River Authority, TX, Pollution Control Rev. (TXU Electric Co. LLC), "C", 5.75%, 2036	
Brazos River Authority, TX, Pollution Control Rev. (TXU Energy Co. LLC), "C", 6.75%, 2038	
Campbell County, WY, Pollution Control Rev. (Black Hills Power, Inc. Project), 5.35%, 2024	
Clark County, NV, Industrial Development Rev. (Nevada Power Co. Project), "A", 5.9%, 2032	
Clark County, NV, Industrial Development Rev. (Nevada Power Co. Project), "B", 5.9%, 2030	
Clark County, NV, Industrial Development Rev. (Southwest Gas Corp. Project), "E", 5.8%, 2038	
Converse County, WY, Pollution Control Rev. (Pacifcorp), 3.9%, 2014	
Forsyth, MT, Pollution Control Rev. (Portland General), 5.2%, 2033	
Matagorda County, TX, Nav District 1 (Houston Ltg.), AMBAC, 5.125%, 2028	
Michigan Strategic Fund Ltd. Obligation Rev. (Detroit Edison Co.), "A", MBIA, 5.55%, 2029	
Mississippi Business Finance Corp. (Pollution Control Rev. (Systems Energy Resources Project), 5.875%, 2022	
New Hampshire Business Finance Authority Pollution Control Rev. (Public Service of New Hampshire), "B", MBIA, 4.75%, 2021	
Ohio Air Quality Development Authority Rev. (Cleveland Electric), "A", 6%, 2013	
Pennsylvania Economic Development Financing Authority Rev. (Reliant Energy Seward), "A", 6.75%, 2036	
Petersburg, IN, Pollution Control Rev. (Indianapolis Power & Light), MBIA, 5.4%, 2017	

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 UTILITIES - MUNICIPAL OWNED - 2.3%

 North Carolina Eastern Municipal Power Agency System Rev., "F", 5.5%, 2016 \$

 North Carolina Municipal Power Agency No. 1 Catawba Electric Rev., "A", MBIA,
 5.5%, 2015

 North Carolina Municipal Power Agency No. 1 Catawba Electric Rev., ETM, 5%, 2020 (c)

 WATER & SEWER UTILITY REVENUE - 1.6%

 Puerto Rico Aqueduct & Sewer Authority Rev., MBIA, 6.25%, 2012 \$

 Puerto Rico Aqueduct & Sewer Authority Rev., MBIA, 6.25%, 2013

 TOTAL MUNICIPAL BONDS

 FLOATING RATE DEMAND NOTES - 0.4%

 Burke County, GA, Development Authority Pollution Control Rev. (Oglethorpe Power
 Corp.), "A", 3.93%, due 9/05/07 \$

 Sevier County, TN, Public Building Authority Rev. (Local Government Public
 Improvement), 3.99%, due 9/06/07

 TOTAL FLOATING RATE DEMAND NOTES

 TOTAL INVESTMENTS (k)

 OTHER ASSETS, LESS LIABILITIES - 1.2%

 PREFERRED SHARES (ISSUED BY THE TRUST) - (49.0)%

 NET ASSETS APPLICABLE TO COMMON SHARES - 100.0%

-
- (c) Refunded bond.
 - (d) Non-income producing security - in default.
 - (f) All or a portion of the security has been segregated as collateral for an open futures contract.
 - (j) Crossover refunded bond.
 - (k) As of August 31, 2007, the trust held securities fair valued in accordance with the policies of the Trust's independent pricing service using an evaluated bid.
 - (n) Securities exempt from registration under Rule 144A of the Securities Act of 1933. These securities are sold in the ordinary course of business in transactions exempt from registration, normally to qualified institutional investors. At period end, the aggregate value of these securities was \$2,923,487 representing 2.4% of net assets.
 - (u) Underlying security deposited into special purpose trust ("the trust") by investment banker under a self-deposited inverse floaters.
 - (z) Restricted securities are not registered under the Securities Act of 1933 and are subject to restrictions. These securities generally may be resold in transactions exempt from registration or to the public if they are subsequently registered. Disposal of these securities may involve time-consuming negotiations and an acceptable price may be difficult. The trust holds the following restricted securities:

ACQUISITION

ACQUISITION

CURRENT MARKET

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RESTRICTED SECURITIES	DATE	COST	VALUE
Cabazon Band Mission Indians, CA, 8.375%, 2015	10/04/04	\$ 100,000	\$ 103,056
Cabazon Band Mission Indians, CA, 8.75%, 2019	10/04/04	360,000	369,439
Pass-Through Certificates, "1993", 9.75%, 2016	8/27/93	232,276	223,710
Total Restricted Securities			\$ 696,205 =====

The following abbreviations are used in this report and are defined:

COP Certificate of Participation
ETM Escrowed to Maturity

Insurers

AMBAC AMBAC Indemnity Corp.
FGIC Financial Guaranty Insurance Co.
FHA Federal Housing Administration
FSA Financial Security Assurance Inc.
GNMA Government National Mortgage Assn.
MBIA MBIA Insurance Corp.
RADIAN Radian Asset Assurance, Inc.

See attached supplemental information. For more information see notes to financial statements as semiannual or annual report.

MFS INVESTMENT GRADE MUNICIPAL TRUST

SUPPLEMENTAL INFORMATION (UNAUDITED) 8/31/07

(1) PORTFOLIO SECURITIES

The cost and unrealized appreciation and depreciation in the value of the investments owned by the federal income tax basis, are as follows:

Aggregate Cost	\$177,096,735 =====
Gross unrealized appreciation	\$ 9,262,317
Gross unrealized depreciation	(6,463,877)
Net unrealized appreciation (depreciation)	\$ 2,798,440 =====

The aggregate cost above includes prior fiscal year end tax adjustments.

(2) FINANCIAL INSTRUMENTS

FUTURES CONTRACTS OUTSTANDING AT 8/31/07

DESCRIPTION	CONTRACTS	VALUE	EXPIRATION DATE
U.S. Treasury Bond (Short)	180	\$ 20,081,250	Dec-07

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U.S. Treasury Note 10 yr (Short)

404

44,054,937

Dec-07

At August 31, 2007, the trust had sufficient cash and/or other liquid securities to cover any commodity derivative contracts.

ITEM 2. CONTROLS AND PROCEDURES.

- (a) Based upon their evaluation of the effectiveness of the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940 (the "Act")) as conducted within 90 days of the filing date of this Form N-Q, the registrant's principal financial officer and principal executive officer have concluded that those disclosure controls and procedures provide reasonable assurance that the material information required to be disclosed by the registrant on this report is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms.
- (b) There were no changes in the registrant's internal controls over financial reporting (as defined in Rule 30a-3(d) under the Act) 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 Act (17 CFR 270.30a-2): Attached hereto.

NOTICE

A copy of the Agreement and Declaration of Trust, as amended, of the Registrant is on file with the Secretary of State of The Commonwealth of Massachusetts and notice is hereby given that this instrument is executed on behalf of the Registrant by an officer of the Registrant as an officer and not individually and the obligations of or arising out of this instrument are not binding upon any of the Trustees or shareholders individually, but are binding only upon the assets and property of the respective constituent series of the Registrant.

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: MFS INVESTMENT GRADE MUNICIPAL TRUST

By (Signature and Title)* MARIA F. DWYER

Maria F. Dwyer, President

Date: October 16, 2007

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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)* MARIA F. DWYER

Maria F. Dwyer, President (Principal Executive Officer)

Date: October 16, 2007

By (Signature and Title)* TRACY ATKINSON

Tracy Atkinson, Treasurer (Principal Financial Officer and Accounting Officer)

Date: October 16, 2007

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