

Invesco Quality Municipal Securities
Form N-Q
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**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM N-Q
QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT
INVESTMENT COMPANY
Investment Company Act file number 811-07560
Invesco Quality Municipal Securities**

(Exact name of registrant as specified in charter)
1555 Peachtree Street, N.E., Atlanta, Georgia 30309

(Address of principal executive offices) (Zip code)
Philip A. Taylor 1555 Peachtree Street, N.E., Atlanta, Georgia 30309

(Name and address of agent for service)

Registrant's telephone number, including area code: (713) 626-1919

Date of fiscal year end: 10/31

Date of reporting period: 07/31/10

TABLE OF CONTENTS

Item 1. Schedule of Investments

Item 2. Controls and Procedures

Item 3. Exhibits

SIGNATURES

EXHIBIT INDEX

Item 1. Schedule of Investments.

Invesco Quality Municipal Securities

Quarterly Schedule of Portfolio Holdings July 31,2010

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MS-CE-QMS-QTR-1 07/10

Invesco Advisers, Inc.

Schedule of Investments

July 31, 2010 (unaudited)

	Interest Rate	Maturity Date	Principal Amount (000)	Value
<i>Municipal Obligations (147.9%)</i>				
<i>Alaska (1.0%)</i>				
Northern Tobacco Securitization Corp., Asset Backed Ser 2006 A	5.00%	06/01/46	\$3,000	\$1,939,890
<i>Arizona (2.9%)</i>				
Maricopa County Pollution Control, Arizona Public Service Co., Ser 2009 A	6.00	05/01/29	425	457,755
Salt River Project Agricultural Improvement & Power District, Ser 2002 B (a)	5.00	01/01/22	3,890	4,164,206
State of Arizona, Ser 2008 A (COP) (AGM Insd) (b)	5.00	09/01/24	1,010	1,065,015 5,686,976
<i>California (23.5%)</i>				
Alhambra Unified School District, Ser 2009 B (AGC Insd) (b)(c)	0.00	08/01/35	1,010	212,635
Alhambra Unified School District, Ser 2009 B (AGC Insd) (b)(c)	0.00	08/01/36	1,635	321,784
Alvord Unified School District, Ser 2007 A (AGM Insd) (b)	5.00	08/01/24	765	826,085
Beverly Hills Unified School District, Election of 2008 Ser 2009 (c)	0.00	08/01/26	710	325,670
Beverly Hills Unified School District, Election of 2008 Ser 2009 (c)	0.00	08/01/31	1,370	458,525
California Health Facilities Financing Authority, Cedars-Sinai Medical Center Ser 2005	5.00	11/15/34	620	611,376
California State Public Works Board, Mental Health 2004 Ser A	5.00	06/01/24	5,000	5,016,950
City & County of San Francisco, Laguna Refg Ser R-3 (AGC Insd) (a)(b)	5.00	06/15/28	540	562,707
Clovis Unified School District, Election of 2004 Ser A (NATL-RE & FGIC Insd) (b)(c)	0.00	08/01/29	355	118,240
County of San Diego, Burnham Institute for Medical Research Ser 2006 (COP)	5.00	09/01/34	1,000	873,410
	0.00	08/01/43	2,690	312,928

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Dry Creek Joint Elementary School District, Election 2008 Ser 2009 E (c)				
Dry Creek Joint Elementary School District, Election 2008 Ser 2009 E (c)	0.00	08/01/44	4,825	523,464
El Segundo Unified School District, Election of 2008 Ser 2009 A (c)	0.00	08/01/32	1,980	523,334
Golden State Tobacco Securitization Corp., Enhanced Asset Backed Ser 2005 A (AMBAC Insd) (b)	5.00	06/01/29	2,000	1,922,000
Golden State Tobacco Securitization Corp., Enhanced Asset Backed Ser 2007 A-1	5.125	06/01/47	4,000	2,582,640
Golden State Tobacco Securitization Corp., Enhanced Asset Backed Ser 2007 A-1	5.75	06/01/47	1,400	997,164
Indio Redevelopment Agency, Ser 2008 A	5.00	08/15/23	310	314,253
Indio Redevelopment Agency, Tax Allocation, Ser 2008 A	5.00	08/15/24	310	311,011
Los Angeles Community College District, California, 2003 Ser B (AGM Insd) (b)	5.00	08/01/27	4,000	4,106,440
Los Angeles Department of Water & Power, 2004 Ser C (NATL-RE Insd) (a)(b)	5.00	07/01/23	5,000	5,292,050
Menifee Union School District, Election of 2008 Ser 2009 C (AGC Insd) (b)(c)	0.00	08/01/34	1,010	233,259
Milpitas Redevelopment Agency, Area No. 1 Ser 2003 (NATL-RE Insd) (b)	5.00	09/01/22	3,040	3,079,125
Moreland School District, Ser 2014 C (AMBAC Insd) (b)(c)	0.00	08/01/29	1,120	343,202
Oak Grove School District, Election 2008 Ser A (c)	0.00	08/01/28	815	284,117
Patterson Joint Unified School District, Election of 2008 Ser 2009 B (AGM Insd) (b)(c)	0.00	08/01/36	4,025	758,954
Patterson Joint Unified School District, Election of 2008 Ser 2009 B (AGM Insd) (b)(c)	0.00	08/01/37	1,590	277,534
Poway Unified School District, School Facilities Improvement District No. 07-1, 2008 Election Ser A (c)	0.00	08/01/27	2,040	776,791

See accompanying Notes to Financial Statements which are an integral part of the financial statements.

1 Invesco Quality Municipal Securities

Schedule of Investments

July 31, 2010 (unaudited)

	Interest Rate	Maturity Date	Principal Amount (000)	Value
Poway Unified School District, School Facilities Improvement District No. 07-1, 2008 Election Ser A (c)	0.00%	08/01/31	\$2,545	\$ 741,308
San Diego County Water Authority, Ser 2004 A (COP) (AGM Insd) (a)(b)	5.00	05/01/29	4,240	4,388,188
State of California, Ser 2003	5.00	02/01/32	3,000	2,980,470
State of California, Ser 2005	5.00	03/01/27	2,000	2,029,100
Tobacco Securitization Authority of Northern California, Sacramento County Tobacco Securitization Corp. Ser 2006 A-1	5.00	06/01/37	2,000	1,467,200
Twin Rivers Unified School District, Ser 2009 (BANs) (c)	0.00	04/01/14	850	770,474
William S. Hart Union High School District, Ser 2009 A (c)	0.00	08/01/32	1,170	293,179
William S. Hart Union High School District, Ser 2009 A (c)	0.00	08/01/33	5,725	1,341,138
				45,976,705
Colorado (2.4%)				
Arkansas River Power Authority, Power Ser 2006 (XLCA Insd) (b)	5.25	10/01/40	2,590	2,387,954
Colorado Health Facilities Authority, Adventist/Sunbelt Ser 2006 D	5.00	07/01/39	2,000	2,035,940
Public Authority for Colorado Energy, Natural Gas Ser 2008	6.25	11/15/28	165	177,260
				4,601,154
District of Columbia (2.5%)				
District of Columbia, Income Tax, Ser 2009 A (a)	5.25	12/01/27	1,540	1,734,040
District of Columbia Ballpark, Ser 2006 B-1 (NATL-RE & FGIC Insd) (b)	5.00	02/01/31	2,000	2,000,940
Metropolitan Washington Airports Authority, Airport System Ser 2009 B (BHAC Insd) (b)	5.00	10/01/29	1,000	1,065,790
				4,800,770
Florida (9.2%)				
County of Miami-Dade, Miami Int l Airport Ser 2000 A (AMT) (NATL-RE & FGIC Insd) (b)	6.00	10/01/24	5,000	5,057,650

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County of Miami-Dade, Miami Int 1 Airport Ser 2009 A (AGC Insd) (b)	5.00	10/01/25	800	873,376
County of Miami-Dade, Ser 2005 A (NATL-RE Insd) (b) (d)	0.00	10/01/13	1,995	1,647,611
Highlands County Health Facilities Authority, Adventist Health/Sunbelt Ser 2006 C (e)	5.25	11/15/16	25	30,191
Highlands County Health Facilities Authority, Adventist Health/Sunbelt Ser 2006 C	5.25	11/15/36	975	987,948
Palm Beach County Solid Waste Authority, Ser 2009 (BHAC Insd) (b)	5.50	10/01/23	750	867,067
South Miami Health Facilities Authority, Baptist Health South Florida, Ser 2007 (a)	5.00	08/15/42	4,000	3,968,440
St Johns County Industrial Development Authority, Glenmoor Refg 2006 Ser A	5.375	01/01/40	3,250	2,521,707
St Johns County Industrial Development Authority, Glenmoor Ser 2006 A	5.25	01/01/26	1,000	840,640
Tampa Bay Water Utility System Revenue, Ser 2001 A (NATL-RE & FGIC Insd) (b)	6.00	10/01/29	1,000	1,232,300 18,026,930
Georgia (6.0%)				
City of Atlanta, Airport Passenger Facilities Sub-Lien Ser 2004 C (AGM Insd) (a)(b)	5.00	01/01/33	5,000	5,062,750
County of DeKalb, Water & Sewer Ser 2003 A	5.00	10/01/23	1,200	1,293,648
Georgia State Road & Tollway Authority, Ser 2003	5.00	10/01/22	2,000	2,131,860
Georgia State Road & Tollway Authority, Ser 2003	5.00	10/01/23	3,000	3,185,610 11,673,868
Hawaii (7.8%)				
City & County of Honolulu, Ser 2003 A (NATL-RE Insd) (a)(b)	5.25	03/01/24	8,000	8,662,560
Hawaii Pacific Health, Ser B	5.75	07/01/40	430	432,559

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2 Invesco Quality Municipal Securities

Schedule of Investments

July 31, 2010 (unaudited)

	Interest Rate	Maturity Date	Principal Amount (000)	Value
Hawaii State Department of Budget & Finance, Hawaiian Electric Co Inc Ser 1993 (AMT) (NATL-RE Insd) (b)	5.45%	11/01/23	\$5,000	\$ 5,002,500
State of Hawaii, Airports Refg Ser A	5.00	07/01/39	1,075	1,085,008 15,182,627
Illinois (15.7%)				
Chicago Park District, Harbor Ser A (AMBAC Insd) (b)	5.00	01/01/27	3,600	3,746,520
Chicago Transit Authority, Ser 2008 (AGC Insd) (b)	5.25	06/01/23	1,070	1,148,506
City of Chicago, O Hare Int 1 Airport 3rd Lien Ser 2005 A (NATL-RE Insd) (b)	5.25	01/01/26	3,000	3,117,990
City of Chicago, O Hare Int 1 Airport Passenger Fee Ser 2001 A (AMT) (AMBAC Insd) (b)	5.375	01/01/32	3,000	3,000,060
City of Chicago, Project & Refg Ser 2007 A (CR) (FGIC & AGM Insd) (a)(b)(i)	5.00	01/01/37	4,590	4,685,747
City of Granite City, Waste Management, Inc. Project (AMT)	3.50	05/01/27	1,250	1,256,975
De Kalb County Community United School District No. 428, (AGM Insd) (b)	5.00	01/01/23	725	799,487
Illinois Finance Authority, Northwestern Memorial Hospital Ser 2009 B	5.375	08/15/24	965	1,048,038
Illinois Finance Authority, Resurrection Health Center, Refg Ser 2009	6.125	05/15/25	925	954,572
Illinois Finance Authority, Rush University Medical Center Obligated Group Ser 2009 A	7.25	11/01/38	415	469,668
Illinois Finance Authority, Swedish Covenant Hospital Ser 2010 A	5.75	08/15/29	1,325	1,340,476
Illinois Finance Authority, Swedish Covenant Hospital Ser 2010 A	6.00	08/15/38	690	698,466
Kendall Kane & Will Counties Community Unit School District No. 308, Ser 2008 (AGM Insd)	0.00	02/01/20	2,780	1,868,688

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(b)(c)

Metropolitan Pier & Exposition Authority, McCormick Place Ser 2002 A (NATL-RE Insd) (b)(d)	0.00	06/15/17	8,480	6,439,882 30,575,075
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Indiana (1.4%)

Indiana Health & Educational Facilities Financing Authority, Clarian Health Ser 2006 A	5.25	02/15/40	2,100	2,072,007
Rockport, Indian Michigan Power Company Project Refg Ser 2009 B	6.25	06/01/25	530	590,998 2,663,005

Iowa (1.3%)

State of Iowa, IJOBS Program Ser 2009 A (a)(i)	5.00	06/01/25	1,355	1,498,508
State of Iowa, IJOBS Program Ser 2009 A (a)(i)	5.00	06/01/26	1,015	1,112,836 2,611,344

Kansas (0.3%)

Kansas Development Finance Authority Hospital Revenue, Adventist Health System Sunbelt Obligated Group Ser 2009 C	5.50	11/15/29	470	509,048
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Kentucky (0.3%)

Kentucky Economic Development Finance Authority, Owensboro Medical Health System Ser 2010 A	6.50	03/01/45	500	525,140
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Maryland (1.3%)

County of Baltimore, Oak Crest Village Ser 2007 A	5.00	01/01/37	705	638,892
Maryland Economic Development Corp., Ser B	5.75	06/01/35	690	711,369
Maryland Health & Higher Educational Facilities Authority, King Farm Presbyterian Community 2006 Ser B	5.00	01/01/17	1,190	1,142,591 2,492,852

Massachusetts (4.0%)

Massachusetts Health & Educational Facilities Authority, Berklee College Music Ser A	5.00	10/01/32	625	637,406
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3 Invesco Quality Municipal Securities

Schedule of Investments

July 31, 2010 (unaudited)

	Interest Rate	Maturity Date	Principal Amount (000)	Value
Massachusetts Health & Educational Facilities Authority, Harvard University Ser A (a)	5.50%	11/15/36	\$4,850	\$ 5,498,543
Massachusetts Health & Educational Facilities Authority, Massachusetts Institute of Technology Ser O (a)	5.50	07/01/36	1,570	1,778,323 7,914,272
Michigan (0.5%)				
City of Detroit Water Supply System, Refg Ser 2006 C (AGM Insd) (b)	5.00	07/01/26	900	921,249
Montana (0.5%)				
City of Forsyth, Pollution Control Revenue Ser A	5.00	05/01/33	1,000	1,022,520
Nebraska (1.9%)				
Nebraska Public Power District, 2003 Ser A (AMBAC Insd) (b)	5.00	01/01/35	3,740	3,803,804
Nevada (1.8%)				
County of Clark, Airport Sub Lien Ser 2004 A-1 (AMT) (NATL-RE & FGIC Insd) (b)	5.50	07/01/20	3,000	3,129,570
Las Vegas, Redevelopment Agency, Ser A	6.25	06/15/16	410	456,945 3,586,515
New Hampshire (0.8%)				
City of Manchester, Water Works Ser 2003 (NATL-RE & FGIC Insd) (b)	5.00	12/01/34	1,500	1,534,560
New Jersey (2.6%)				
New Jersey Economic Development Authority, MSU Student Housing , Provident Group Montclair LLC, Ser 2010	5.75	06/01/31	525	536,025
New Jersey Transportation Trust Fund Authority, Ser 2006 C (AGC Insd) (b)(c)	0.00	12/15/26	4,300	1,851,967
Tobacco Settlement Financing Corp., Ser 2007-1 A	4.625	06/01/26	3,000	2,471,940
Tobacco Settlement Financing Corp., Ser 2007-1 B (c)	0.00	06/01/41	3,000	149,760 5,009,692
New Mexico (0.9%)				

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City of Farmington, Pollution Control Ref, Public Service San Juan Ser 2010 C	5.90	06/01/40	700	708,372
New Mexico Finance Authority, Senior Lien Public Project Revolving Fund Ser 2008 A	5.00	06/01/27	940	1,024,760 1,733,132
<i>New York (12.9%)</i>				
Brooklyn Arena Local Development Corp., Ser 2009	6.25	07/15/40	460	472,098
Brooklyn Arena Local Development Corp., Ser 2009	6.375	07/15/43	190	195,702
City of New York, 2009 Subser A-1 (a)	5.25	08/15/16	980	1,259,114
City of New York, 2009 Subser A-1 (a)	5.25	08/15/28	980	1,070,562
Metropolitan Transportation Authority, Transportation Ser 2003 B (NATL-RE Insd) (b)	5.25	11/15/22	5,000	5,300,700
New York City Transitional Finance Authority, 2010 Subser A-1 (a)	5.00	05/01/28	1,305	1,424,669
New York City Transitional Finance Authority, 2010 Subser A-1 (a)	5.00	05/01/29	1,045	1,135,142
New York City Transitional Finance Authority, 2010 Subser A-1 (a)	5.00	05/01/30	1,045	1,127,085
New York City Trust for Cultural Resources, The Museum of Modern Art, Refg Ser 2008-1 A (a)	5.00	04/01/27	1,950	2,131,526
New York State Dormitory Authority, New York University (AMBAC Insd) (b)	5.50	05/15/29	705	787,512
New York State Thruway Authority, Personal Income Tax Transportation Ser 2009 A	5.00	03/15/25	1,310	1,461,344
Tobacco Settlement Financing Corp., State Contingency Ser 2003 B-1C	5.50	06/01/21	6,000	6,570,480
Triborough Bridge & Tunnel Authority, Refg Ser 2002 B	5.25	11/15/19	2,000	2,189,200 25,125,134

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4 Invesco Quality Municipal Securities

Schedule of Investments

July 31, 2010 (unaudited)

	Interest Rate	Maturity Date	Principal Amount (000)	Value
<i>Ohio (4.1%)</i>				
American Municipal Power-Ohio Inc., Prairie State Energy Campus Ser 2008 A (AGC Insd) (a)(b)	5.25%	02/15/33	\$1,000	\$1,049,120
County of Cuyahoga, Cleveland Clinic Ser 2003 A	6.00	01/01/32	5,000	5,354,650
Ohio State Higher Educational Facilities, Summa Health Systems Ser 2010	5.65	11/15/40	1,275	1,275,816
Ohio State Water Development Authority, Pollution Control Facilities Ser 2009 A	5.875	06/01/33	265	292,984 7,972,570
<i>Oregon (0.3%)</i>				
Warm Springs Reservation Confederated Tribe, Pelton Round Burre Tribal, Ser 2009 B	6.375	11/01/33	660	682,935
<i>Pennsylvania (1.7%)</i>				
Allegheny County Hospital Development Authority, West Penn Allegheny Health Ser 2007 A	5.375	11/15/40	1,000	747,950
Pennsylvania Turnpike Commission, Ser 2010 B-2 (c)	0.00	12/01/28	750	563,452
Pennsylvania Turnpike Commission, Ser 2010 B-2 (c)	0.00	12/01/34	450	335,921
Philadelphia School District, Ser 2008 E (BHAC Insd) (b)	5.125	09/01/23	1,500	1,659,975 3,307,298
<i>Puerto Rico (2.7%)</i>				
Puerto Rico Electric Power Authority, Ser 2010 CCC	5.25	07/01/27	1,000	1,036,340
Puerto Rico Electric Power Authority, Ser XX	5.25	07/01/40	750	757,770
Puerto Rico Sales Tax Financing Corp., Ser 2009 A (e)	5.00	08/01/11	875	916,825
Puerto Rico Sales Tax Financing Corp., Ser 2010 A	5.375	08/01/39	450	456,687
Puerto Rico Sales Tax Financing Corp., Ser 2010 A	5.50	08/01/42	750	766,417
Puerto Rico Sales Tax Financing Corp., Ser 2010 C	5.25	08/01/41	1,300	1,306,526 5,240,565

Rhode Island (0.8%)

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