

BLACKROCK MUNIHOLDINGS NEW JERSEY QUALITY FUND, INC.

Form N-Q

June 25, 2012

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 811-08621

Name of Fund: BlackRock MuniHoldings New Jersey Quality Fund, Inc. (MUJ)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock MuniHoldings New Jersey Quality Fund, Inc.,  
55 East 52<sup>nd</sup> Street, New York, NY 10055

Registrant's telephone number, including area code: (800) 882-0052, Option 4

Date of fiscal year end: 07/31/2012

Date of reporting period: 04/30/2012

Item 1 – Schedule of Investments

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Schedule of Investments April 30, 2012 (Unaudited)

**BlackRock MuniHoldings New Jersey Quality Fund, Inc. (MUJ)**  
(Percentages shown are based on Net Assets)

	Par (000)	Value
<b>Municipal Bonds</b>		
<b>New Jersey 126.8%</b>		
<b>Corporate 3.2%</b>		
New Jersey EDA, RB, AMT:		
New Jersey American Water Co., Inc. Project, Series A (AMBAC), 5.25%, 11/01/32	\$ 3,000	\$ 3,050,910
Waste Management of New Jersey, Mandatory Put Bonds, Series A, 5.30%, 6/01/15 (a)	2,500	2,682,575
New Jersey EDA, Refunding RB: New Jersey American Water Co., Inc. Project, Series A, 5.70%, 10/01/39	2,500	2,745,525
New Jersey American Water Co., Inc. Project, Series B, AMT, 5.60%, 11/01/34	2,150	2,397,615
		10,876,625
<b>County/City/Special District/School District 17.0%</b>		
Borough of Hopatcong New Jersey, GO, Refunding, Sewer (AMBAC), 4.50%, 8/01/33	2,690	2,824,608
City of Perth Amboy New Jersey, GO, CAB (AGM) (b): 4.60%, 7/01/32	4,605	4,807,988
4.64%, 7/01/33	1,395	1,451,163
4.75%, 7/01/37	1,470	1,512,468
County of Middlesex New Jersey, COP, Refunding (NPFGC), 5.50%, 8/01/16	1,375	1,380,692
County of Union New Jersey, GO: 4.00%, 3/01/29	2,590	2,773,009
4.00%, 3/01/30	2,590	2,750,347
4.00%, 3/01/31	2,925	3,087,601
Edgewater Borough Board of Education, GO (AGM): 4.25%, 3/01/34	1,235	1,354,709
4.25%, 3/01/35	1,300	1,421,238
4.30%, 3/01/36	1,370	1,498,616
Essex County Improvement Authority, RB, County Correctional Facility Project, Series A (NPFGC), 5.00%, 10/01/13 (c)	4,400	4,693,348
Essex County Improvement Authority, Refunding RB, Project Consolidation: (AMBAC), 5.25%, 12/15/18	1,000	1,206,620
(NPFGC), 5.50%, 10/01/27	250	315,003
(NPFGC), 5.50%, 10/01/28	4,840	6,089,688
Hudson County Improvement Authority, RB: County Secured, County Services Building Project (AGM), 5.00%, 4/01/27	750	808,147
Harrison Parking Facility Project, Series C (AGC), 5.25%, 1/01/39	2,000	2,192,780
	3,600	3,968,964

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Harrison Parking Facility Project,  
Series C (AGC), 5.38%, 1/01/44

	Par (000)	Value
<b>Municipal Bonds</b>		
<b>New Jersey (continued)</b>		
<b>County/City/Special District/School District (concluded)</b>		
Middlesex County Improvement Authority, RB, Senior Citizens Housing Project, AMT (AMBAC), 5.50%, 9/01/30	\$ 500	\$ 500,535
Monmouth County Improvement Authority, RB, Governmental Loan (AMBAC): 5.35%, 12/01/17	5	5,016
5.38%, 12/01/18	5	5,016
Morristown Parking Authority, RB (NPFGC): 5.00%, 8/01/30	1,830	1,966,939
5.00%, 8/01/33	3,000	3,200,700
New Jersey State Transit Corp., COP, Subordinate, Federal Transit Administration Grants, Series A (AGM), 5.00%, 9/15/21	2,000	2,122,460
Newark Housing Authority, Refunding RB, Newark Redevelopment Project (NPFGC), 4.38%, 1/01/37	620	553,276
South Jersey Port Corp., Refunding RB: 4.50%, 1/01/15	3,750	3,826,875
4.50%, 1/01/16	1,920	1,955,846
		58,273,652
<b>Education 19.4%</b>		
New Jersey EDA, RB, International Center For Public Health Project, University of Medicine and Dentistry (AMBAC), 6.00%, 6/01/32	5,000	5,006,100
New Jersey Educational Facilities Authority, RB: Higher Education Capital Improvement, Series A (AMBAC), 5.13%, 9/01/12 (c)	5,500	5,591,025
Montclair State University, Series A (AMBAC), 5.00%, 7/01/21	1,200	1,371,576
Montclair State University, Series A (AMBAC), 5.00%, 7/01/22	2,880	3,282,998
Richard Stockton College, Series F (NPFGC), 5.00%, 7/01/31	2,625	2,744,228
Rowan University, Series C (NPFGC), 5.00%, 7/01/14 (c)	3,260	3,583,588
Rowan University, Series C (NPFGC), 5.13%, 7/01/14 (c)	3,615	3,983,585
New Jersey Educational Facilities Authority, Refunding RB: College of New Jersey, Series D (AGM), 5.00%, 7/01/35	9,740	10,493,486
Montclair State University, Series J (NPFGC), 4.25%, 7/01/30	3,775	3,844,158
New Jersey Institute of Technology, Series H, 5.00%, 7/01/31	3,000	3,272,640



## Schedule of Investments (continued)

BlackRock MuniHoldings New Jersey Quality Fund, Inc. (MUJ)  
(Percentages shown are based on Net Assets)

	Par (000)	Value
<b>Municipal Bonds</b>		
<b>New Jersey (continued)</b>		
<b>Education (concluded)</b>		
New Jersey Educational Facilities Authority, Refunding RB (concluded):		
Ramapo College, Series I (AMBAC), 4.25%, 7/01/31	\$ 1,250	\$ 1,274,938
Ramapo College, Series I (AMBAC), 4.25%, 7/01/36	900	911,754
Stevens Institute of Technology, Series A, 5.00%, 7/01/27	2,800	2,924,124
Stevens Institute of Technology, Series A, 5.00%, 7/01/34	900	922,158
William Paterson University, Series C (AGC), 5.00%, 7/01/28	250	272,808
William Paterson University, Series C (AGC), 4.75%, 7/01/34	4,000	4,259,120
New Jersey Institute of Technology, Series A, 5.00%, 7/01/42	5,045	5,564,887
University of Medicine & Dentistry of New Jersey, COP (NPFGC), 5.00%, 6/15/29	2,000	2,039,860
University of Medicine & Dentistry of New Jersey, RB, Series A (AMBAC), 5.50%, 12/01/27	4,740	4,834,231
		66,177,264
<b>Health 17.6%</b>		
New Jersey Health Care Facilities Financing Authority, RB:		
AHS Hospital Corp., 6.00%, 7/01/41	3,080	3,605,510
Greystone Park Psychiatric Hospital (AMBAC), 5.00%, 9/15/23	10,775	11,460,721
Meridian Health, Series I (AGC), 5.00%, 7/01/38	765	803,005
Meridian Health, Series II (AGC), 5.00%, 7/01/38	6,360	6,675,965
Meridian Health, Series V (AGC), 5.00%, 7/01/38	3,950	4,146,236
South Jersey Hospital, 6.00%, 7/01/12 (c)	5,440	5,493,040
Virtua Health (AGC), 5.50%, 7/01/38	3,035	3,304,326
New Jersey Health Care Facilities Financing Authority, Refunding RB:		
AHS Hospital Corp., Series A (AMBAC), 6.00%, 7/01/13 (d)	4,000	4,257,640
Atlantic City Medical Center, 5.75%, 7/01/12 (c)	1,050	1,059,881
	925	970,177

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Atlantic City Medical Center, 6.25%, 7/01/17		
Atlantic City Medical Center, 5.75%, 7/01/25	1,975	1,984,085
Barnabas Health, Series A, 5.00%, 7/01/24	1,820	1,903,647
	<b>Par (000)</b>	<b>Value</b>
<b>Municipal Bonds</b>		
<b>New Jersey (continued)</b>		
<b>Health (concluded)</b>		
New Jersey Health Care Facilities Financing Authority, Refunding RB (concluded):		
Barnabas Health, Series A, 5.63%, 7/01/32	\$ 1,100	\$ 1,178,397
Barnabas Health, Series A, 5.63%, 7/01/37	3,060	3,233,624
Hackensack University Medical (AGC), 5.13%, 1/01/27	1,500	1,635,570
Hackensack University Medical (AGM), 4.63%, 1/01/30	5,480	5,770,604
Meridian Health System Obligation, 5.00%, 7/01/25	700	775,565
Meridian Health System Obligation, 5.00%, 7/01/26	1,590	1,741,177
		59,999,170
<b>Housing 6.1%</b>		
New Jersey State Housing & Mortgage Finance Agency, RB:		
Capital Fund Program, Series A (AGM), 4.70%, 11/01/25	9,245	9,620,162
Series A, AMT (NPFGC), 4.85%, 11/01/39	935	930,774
Series AA, 6.50%, 10/01/38	1,895	2,033,183
Series B, 4.50%, 10/01/30	7,150	7,450,872
S/F Housing, Series T, AMT, 4.70%, 10/01/37	745	751,809
		20,786,800
<b>State 33.4%</b>		
Garden State Preservation Trust, RB (AGM):		
CAB, Series B, 5.12%, 11/01/23 (e)	9,000	6,337,170
CAB, Series B, 5.20%, 11/01/25 (e)	10,000	6,347,200
Election of 2005, Series A, 5.80%, 11/01/15 (c)	4,690	5,518,536
Garden State Preservation Trust, Refunding RB, Series C (AGM):		
5.25%, 11/01/20	5,000	6,338,600
5.25%, 11/01/21	7,705	9,851,613
New Jersey EDA, RB:		
Cigarette Tax (Radian), 5.50%, 6/15/14 (c)	585	648,116
Cigarette Tax (Radian), 5.75%, 6/15/14 (c)	3,180	3,539,912
Liberty State Park Project, Series C (AGM), 5.00%, 3/01/22	2,670	2,940,551
Motor Vehicle Surcharge, Series A (NPFGC), 5.25%, 7/01/24	1,785	2,123,561



## Schedule of Investments (continued)

BlackRock MuniHoldings New Jersey Quality Fund, Inc. (MUJ)  
(Percentages shown are based on Net Assets)

	Par (000)	Value
<b>Municipal Bonds</b>		
<b>New Jersey (continued)</b>		
<b>State (concluded)</b>		
New Jersey EDA, RB (concluded):		
Motor Vehicle Surcharge, Series A (NPFGC), 5.25%, 7/01/25	\$ 4,000	\$ 4,756,680
Motor Vehicle Surcharge, Series A (NPFGC), 5.25%, 7/01/26	7,500	8,886,675
Motor Vehicle Surcharge, Series A (NPFGC), 5.25%, 7/01/33	11,105	11,932,322
Motor Vehicle Surcharge, Series A (NPFGC), 5.00%, 7/01/34	2,000	2,127,580
School Facilities Construction, Series L (AGM), 5.00%, 3/01/30	9,000	9,420,570
School Facilities Construction, Series O, 5.25%, 3/01/23	1,420	1,570,378
School Facilities Construction, Series Y, 5.00%, 9/01/33	3,000	3,228,870
School Facilities Construction, Series Z (AGC), 6.00%, 12/15/34	2,800	3,210,592
School Facilities, Series U, 5.00%, 9/01/37	5,000	5,311,900
School Facilities, Series U (AMBAC), 5.00%, 9/01/37	2,000	2,124,760
New Jersey EDA, Refunding RB:		
Cigarette Tax, 5.00%, 6/15/26	895	967,477
Cigarette Tax, 5.00%, 6/15/28	1,520	1,633,666
Cigarette Tax, 5.00%, 6/15/29	2,000	2,139,280
School Facilities Construction, Series N-1 (NPFGC), 5.50%, 9/01/27	1,000	1,239,790
New Jersey Sports & Exposition Authority, Refunding RB (NPFGC):		
5.50%, 3/01/21	5,890	6,980,533
5.50%, 3/01/22	3,150	3,738,074
State of New Jersey, COP, Equipment Lease Purchase, Series A, 5.25%, 6/15/27	1,080	1,202,623
		114,117,029
<b>Tobacco 1.5%</b>		
Tobacco Settlement Financing Corp. New Jersey, RB, 7.00%, 6/01/13 (c)		
	4,755	5,096,552
<b>Transportation 22.8%</b>		
Delaware River Port Authority, RB (AGM):		
Port District Project, Series B, 5.63%, 1/01/26	2,425	2,429,777
Series D, 5.00%, 1/01/40	3,700	3,977,500
	7,615	6,913,278



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New Jersey State Turnpike Authority, RB,  
Growth & Income Securities, Series B  
(AMBAC), 4.89% 1/01/15 (b)

	Par	Value
New Jersey State Turnpike Authority, Refunding RB:		
Series A (AGM), 5.25%, 1/01/26	4,900	5,980,548
Series A (AGM), 5.25%, 1/01/29	2,000	2,470,660

Municipal Bonds	Par (000)	Value
<b>New Jersey (continued)</b>		
<b>Transportation (concluded)</b>		
New Jersey State Turnpike Authority, Refunding RB (concluded):		
Series A (AGM), 5.25%, 1/01/30	\$ 4,000	\$ 4,976,680
Series A (BHAC), 5.25%, 1/01/29	500	624,215
Series C (NPFGC), 6.50%, 1/01/16	910	1,078,641
Series C (NPFGC), 6.50%, 1/01/16 (d)	3,385	3,761,852
Series C-2005 (NPFGC), 6.50%, 1/01/16 (d)	255	309,519
New Jersey Transportation Trust Fund Authority, RB, Transportation System:		
CAB, Series C (AGM), 4.74%, 12/15/32 (e)	4,050	1,475,213
CAB, Series C (AMBAC), 5.05%, 12/15/35 (e)		