

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

Form NSAR-A

April 28, 2011

PAGE 1  
000 A000000 02/28/2011  
000 C000000 1045126  
000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
000 I000000 6.1  
000 J000000 A  
001 A000000 BLACKROCK MUNIHOLDINGS INVEST. QUALITY FUND  
001 B000000 811-08349  
001 C000000 8004417762  
002 A000000 100 BELLEVUE PARKWAY  
002 B000000 WILMINGTON  
002 C000000 DE  
002 D010000 19809  
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008 A000001 BLACKROCK ADVISORS, LLC  
008 B000001 A  
008 C000001 801-47710  
008 D010001 WILMINGTON  
008 D020001 DE  
008 D030001 19809  
008 A000002 BLACKROCK INVESTMENT MANAGEMENT, LLC  
008 B000002 S  
008 C000002 801-56972  
008 D010002 PLAINSBORO  
008 D020002 NJ  
008 D030002 08536  
012 A000001 BNY MELLON SHAREOWNER SERVICES (COMMON)  
012 B000001 85-05006  
012 C010001 JERSEY CITY  
012 C020001 NJ  
012 C030001 07310  
012 A000002 THE BANK OF NEW YORK MELLON (PREFERRED)  
012 B000002 85-05006  
PAGE 2  
012 C010002 NEW YORK  
012 C020002 NY  
012 C030002 10286  
013 A000001 DELOITTE & TOUCHE LLP  
013 B010001 PRINCETON  
013 B020001 NJ

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013 B030001 08540  
014 A000001 BLACKROCK CAPITAL MARKETS, LLC  
014 B000001 8-67827  
014 A000002 BLACKROCK EXECUTION SERVICES  
014 B000002 8-48719  
014 A000003 BLACKROCK FUND DISTRIBUTION COMPANY  
014 B000003 8-67795  
014 A000004 BLACKROCK INVESTMENTS, LLC  
014 B000004 8-48436  
014 A000005 HARRIS WILLIAMS LLC  
014 B000005 8-53380  
014 A000006 PNC CAPITAL MARKETS, INC.  
014 B000006 8-32493  
014 A000007 PNC INVESTMENTS LLC  
014 B000007 8-66195  
015 A000001 THE BANK OF NEW YORK MELLON  
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015 C010001 NEW YORK  
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015 A000002 J.P. MORGAN CHASE BANK  
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020 A000001 UBS SECURITIES LLC  
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020 A000002 JANNEY MONTGOMERY SCOTT LLC  
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022 B000001 22-2509978  
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022 A000002 APEX SECURITIES, INC.  
022 C000002 8305  
022 D000002 35594  
022 A000003 STIFEL, NICOLAUS & COPMANY, INCORPORATED  
022 B000003 43-0538770  
022 C000003 11513  
022 D000003 16414  
022 A000004 MORGAN STANLEY & CO. INCORPORATED  
022 B000004 13-2655998  
022 C000004 20563  
022 D000004 0

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022 A000005 CITIGROUP GLOBAL MARKETS, INC.  
 022 B000005 11-2418191  
 022 C000005 19516  
 022 D000005 425  
 022 A000006 SIEBERT, BRANDFORD, SHANK & CO., L.L.C.  
 022 C000006 10628  
 022 D000006 7186  
 022 A000007 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.  
 022 B000007 13-5674085  
 022 C000007 7387  
 022 D000007 9544  
 022 A000008 J.P. MORGAN SECURITIES INC.  
 022 B000008 13-3299429  
 022 C000008 16280  
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 022 A000009 RBC CAPITAL MARKETS CORPORATION  
 022 B000009 13-5033225  
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 022 A000010 SECUREVEST FINANCIAL GROUP  
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072 Z000000 18223  
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086 E010000 0  
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087 A010000 COMMON STOCK  
087 A020000 09254P108  
087 A030000 MFL  
087 B010000 PREFERRED STOCK  
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088 B000000 N  
088 C000000 N  
088 D000000 Y  
SIGNATURE NEAL J. ANDREWS  
TITLE CFO