

BLACKROCK MUNIYIELD INVESTMENT QUALITY FUND

Form NSAR-B

September 27, 2016

PAGE 1

000 B000000 07/31/2016

000 C000000 0000891188

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 MUNIYIELD INVESTMENT QUALITY FUND

001 B000000 811-07156

001 C000000 8004417762

002 A000000 100 BELLEVUE PARKWAY

002 B000000 WILMINGTON

002 C000000 DE

002 D010000 19809

003 000000 N

004 000000 N

005 000000 N

006 000000 N

007 A000000 N

007 B000000 0

007 C010100 1

008 A000001 BLACKROCK ADVISORS, LLC

008 B000001 A

008 C000001 801-47710

008 D010001 WILMINGTON

008 D020001 DE

008 D030001 19809

012 A000001 COMPUTERSHARE TRUST COMPANY, N.A.

012 B000001 85-11340

012 C010001 CANTON

012 C020001 MA

012 C030001 02021

012 A000002 THE BANK OF NEW YORK MELLON (PREFERRED)

012 B000002 85-05006

012 C010002 NEW YORK

012 C020002 NY

012 C030002 10289

013 A000001 DELOITTE & TOUCHE LLP

013 B010001 BOSTON

013 B020001 MA

013 B030001 02116

014 A000001 BLACKROCK EXECUTION SERVICES

014 B000001 8-48719

014 A000002 BLACKROCK INVESTMENTS, LLC

014 B000002 8-48436

014 A000003 HARRIS WILLIAMS LLC

014 B000003 8-53380

014 A000004 PNC CAPITAL MARKETS, INC.

014 B000004 8-32493

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014 A000005 PNC INVESTMENTS LLC

014 B000005 8-66195

014 A000006 SOLEBURY CAPITAL, LLC

014 B000006 8-67548

015 A000001 STATE STREET BANK AND TRUST CO.

015 B000001 C

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015 C010001 BOSTON
 015 C020001 MA
 015 C030001 02110
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 020 B000001 56-0906609
 020 C000001 1
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 022 A000001 BLACKROCK LIQUIDITY FUNDS, MUNICASH
 022 B000001 52-0983343
 022 C000001 11394
 022 D000001 11190
 022 A000002 FFI INSTITUTIONAL TAX-EXEMPT FUND
 022 B000002 22-2509978
 022 C000002 9746
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 022 A000003 CITIGROUP GLOBAL MARKETS INC
 022 B000003 11-2418191
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 022 A000004 JEFFERIES & COMPANY INC
 022 B000004 95-2622900
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 022 B000006 36-3145972
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 022 A000007 OPPENHEIMER + CO. INC.
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 022 A000008 RBC CAPITAL MARKETS CORP
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 022 A000009 PERSHING LLC
 022 B000009 13-2741729
 PAGE 3
 022 C000009 825
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 022 A000010 J.P. MORGAN SECURITIES LLC
 022 B000010 13-4110995
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 023 D000000 65854
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 026 F000000 N
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072 I000000	20
072 J000000	11
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072 L000000	9
072 M000000	13

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080	B000000	St. Paul Fire & Marine Insurance Company
080	C000000	61025
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087	A030000	MFT
087	B010000	PREFERRED STOCK
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088	B000000	N
088	C000000	N
088	D000000	Y
SIGNATURE	NEAL J. ANDREWS	
TITLE	CFO	