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SENIOR HIGH INCOME PORTFOLIO INC

Form NSAR-B

April 27, 2007

PAGE 1
000 B000000 02/28/2007
000 C000000 0000896665
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 SENIOR HIGH INCOME FUND, INC.
001 B000000 811-07456
001 C000000 6092822800
002 A000000 P.O. BOX 9011
002 B000000 PRINCETON
002 C000000 NJ
002 D010000 08543
002 D020000 9011
003 000000 N
004 000000 N
005 000000 N
006 000000 N
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007 C010500 5
007 C010600 6
007 C010700 7
007 C010800 8
007 C010900 9
007 C011000 10
008 A000001 BLACKROCK ADVISORS, LLC
008 B000001 A
008 C000001 801-47710
008 D010001 WILMINGTON
008 D020001 DE
008 D030001 19809
008 A000002 BLACKROCK FINANCIAL MANAGEMENT, INC.
008 B000002 S
008 C000002 801-48433
008 D010002 NEW YORK
008 D020002 NY
008 D030002 10022
011 A000001 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.
011 B000001 8-7221
011 C010001 NEW YORK
011 C020001 NY
011 C030001 10281
011 C040001 1201
PAGE 2
012 A000001 THE BANK OF NEW YORK
012 B000001 85-05006
012 C010001 NEW YORK
012 C020001 NY
012 C030001 10286
013 A000001 DELOITTE & TOUCHE LLP

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013 B010001 PRINCETON
 013 B020001 NJ
 013 B030001 08540
 014 A000001 MLPF&S AND OTHER ML BROKER/DEALER AFFILIATES
 014 B000001 8-7221
 014 A000002 BLACKROCK INVESTMENTS, INC.
 014 B000002 8-048436
 014 A000003 NORTHERN FUNDS DISTRIBUTORS, LLC
 014 B000003 8-051242
 014 A000004 PNC CAPITAL MARKETS, LLC
 014 B000004 8-032493
 014 A000005 J.J.B. HILLIARD W.L. LYONS, INC.
 014 B000005 8-033133
 014 A000006 PFPC DISTRIBUTORS, INC.
 014 B000006 8-045467
 014 A000007 MGI FUNDS DISTRIBUTORS, INC.
 014 B000007 8-046960
 014 A000008 ABN AMRO DISTRIBUTION SERVICES, INC.
 014 B000008 8-052396
 014 A000009 BLACKROCK DISTRIBUTORS, INC.
 014 B000009 8-048775
 014 A000010 PERSIMMON SECURITIES, INC.
 014 B000010 8-053071
 014 A000011 PNC INVESTMENTS LLC
 014 B000011 8-066195
 014 A000012 STATE STREET RESEARCH INVEST SERV, INC.
 014 B000012 8-035442
 015 A000001 THE BANK OF NEW YORK
 015 B000001 C
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 015 E010001 X
 015 A000002 BANKERS TRUST COMPANY
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 015 A000003 J.P. MORGAN CHASE BANK
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 015 A000004 CUSTODIAL TRUST CO.
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022	A000007	LEHMAN BROTHERS INC.
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PAGE 6

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087	A030000	ARK
088	A000000	Y
088	B000000	N
088	C000000	N
	PAGE	9
088	D000000	N
SIGNATURE	DONALD C. BURKE	
TITLE	TREASURER	