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SENIOR HIGH INCOME PORTFOLIO INC

Form N-CSRS

November 09, 2006

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

FORM N-CSRS

CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT  
INVESTMENT COMPANIES

Investment Company Act file number 811-07456

Name of Fund: BlackRock Senior High Income Fund, Inc.

Fund Address: P.O. Box 9011  
Princeton, NJ 08543-9011

Name and address of agent for service: Robert C. Doll, Jr., Chief Executive  
Officer, BlackRock Senior High Income Fund, Inc., 800 Scudders Mill  
Road, Plainsboro, NJ, 08536. Mailing address: P.O. Box 9011,  
Princeton, NJ, 08543-9011

Registrant's telephone number, including area code: (609) 282-2800

Date of fiscal year end: 02/28/07

Date of reporting period: 03/01/06 - 08/31/06

Item 1 - Report to Stockholders

ALTERNATIVES    BLACKROCK SOLUTIONS    EQUITIES    FIXED INCOME    LIQUIDITY  
REAL ESTATE

BlackRock Senior High Income Portfolio, Inc.

SEMI-ANNUAL REPORT    AUGUST 31, 2006

(BLACKROCK logo)

NOT FDIC INSURED  
MAY LOSE VALUE  
NO BANK GUARANTEE

BlackRock Senior High Income Portfolio, Inc. seeks to provide shareholders with high current income by investing at least 80% of its net assets plus any borrowings for investment purposes in senior debt obligations, including corporate loans and both privately placed and publicly offered corporate bonds and notes. Senior debt obligations generally include debt obligations of a company that have a contractual right to repayment in the event of a default or bankruptcy of the company with priority over existing or future subordinated debt (if any), preferred stock or common stock of the same company. Senior debt ranks equally in right of payment to all other debt of the company other than debt that is contractually subordinated in right of payment to such senior debt. Senior debt in which the Fund invests may be secured by collateral or may be unsecured. Certain senior debt obligations may

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be effectively junior to other debt obligations of the company that are secured by collateral, as well as to any indebtedness of such company's subsidiaries or affiliates. The Fund invests primarily in debt obligations that are rated in the lower rating categories of the established rating services (Baa or lower by Moody's Investors Service, Inc. or BBB or lower by Standard & Poor's) or unrated debt obligations of comparable quality. The Fund will generally not invest in securities rated at the time of purchase, Caa/CCC or below by each of the major ratings agencies that rate the securities.

This report, including the financial information herein, is transmitted to shareholders of BlackRock Senior High Income Portfolio, Inc. for their information. It is not a prospectus. Past performance results shown in this report should not be considered a representation of future performance. The Fund leverages its Common Stock to provide Common Stock shareholders with a potentially higher rate of return. Leverage creates risk for Common Stock shareholders, including the likelihood of greater volatility of net asset value and market price of Common Stock shares, and the risk that fluctuations in short-term interest rates may reduce the Common Stock's yield. Statements and other information herein are as dated and are subject to change.

A description of the policies and procedures that the Fund uses to determine how to vote proxies relating to portfolio securities is available (1) without charge, upon request, by calling toll-free 1-800-441-7762; (2) at [www.blackrock.com](http://www.blackrock.com); and (3) on the Securities and Exchange Commission's Web site at <http://www.sec.gov>. Information about how the Fund voted proxies relating to securities held in the Fund's portfolio during the most recent 12-month period ended June 30 is available (1) at [www.blackrock.com](http://www.blackrock.com) and (2) on the Securities and Exchange Commission's Web site at <http://www.sec.gov>.

BlackRock Senior High Income Portfolio, Inc.  
Box 9011  
Princeton, NJ 08543-9011

(GO PAPERLESS...logo)  
It's Fast, Convenient, & Timely!

BlackRock Senior High Income Portfolio, Inc.

### The Benefits and Risks of Leveraging

BlackRock Senior High Income Portfolio, Inc. (the "Fund") utilizes leveraging through borrowings or issuance of short-term debt securities or shares of Preferred Stock. The concept of leveraging is based on the premise that the cost of assets to be obtained from leverage will be based on short-term interest rates, which normally will be lower than the income earned by the Fund on its longer-term portfolio investments. To the extent that the total assets of the Fund (including the assets obtained from leverage) are invested in higher-yielding portfolio investments, the Fund's Common Stock shareholders will be the beneficiaries of the incremental yield.

Leverage creates risks for holders of Common Stock including the likelihood of greater net asset value and market price volatility. In addition, there is the risk that fluctuations in interest rates on borrowings (or in the dividend rates on any Preferred Stock, if the Fund were to issue the Preferred Stock) may reduce the Common Stock's yield and negatively impact its net asset value

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and market price. If the income derived from securities purchased with assets received from leverage exceeds the cost of leverage, the Fund's net income will be greater than if leverage had not been used. Conversely, if the income from the securities purchased is not sufficient to cover the cost of leverage, the Fund's net income will be less than if leverage had not been used, and therefore the amount available for distribution to Common Stock shareholders will be reduced.

### Officers and Directors

Robert C. Doll, Jr., President and Director  
Ronald W. Forbes, Director  
Cynthia A. Montgomery, Director  
Jean Margo Reid, Director  
Roscoe S. Suddarth, Director  
Richard R. West, Director  
Edward D. Zinbarg, Director  
Donald C. Burke, Vice President and Treasurer  
Kevin J. Booth, Vice President  
Jeffrey Hiller, Fund Chief Compliance Officer  
Alice A. Pellegrino, Secretary

### Custodian

The Bank of New York  
100 Church Street  
New York, NY 10286

### Transfer Agent

The Bank of New York  
101 Barclay Street - 11 East  
New York, NY 10286

### NYSE Symbol

ARK

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

### A Letter to Shareholders

Dear Shareholder

It is my pleasure to welcome you to BlackRock.

On September 29, 2006, BlackRock, Inc. ("BlackRock") and Merrill Lynch Investment Managers, L.P. ("MLIM") united to form one of the largest asset management firms in the world. Now with more than \$1 trillion in assets under management, over 4,000 employees in 18 countries and representation in key markets worldwide, BlackRock's global presence means greater depth and scale to serve you.

The new BlackRock unites some of the finest money managers in the industry. Our ranks include more than 500 investment professionals globally - portfolio

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managers, research analysts, risk management professionals and traders. With offices strategically located around the world, our investment professionals have in-depth local knowledge and the ability to leverage our global presence and robust infrastructure to deliver focused investment solutions. BlackRock's professional investors are supported by disciplined investment processes and best-in-class technology, ensuring that our portfolio managers are well equipped to research, uncover and capitalize on the opportunities the world's markets have to offer.

The BlackRock culture emphasizes excellence, teamwork and integrity in the management of a variety of equity, fixed income, cash management, alternative investment and real estate products. Our firm's core philosophy is grounded in the belief that experienced investment and risk professionals using disciplined investment processes and sophisticated analytical tools can consistently add value to client portfolios.

As you probably are aware, former MLIM investment products now carry the "BlackRock" name. This is reflected in newspapers and online fund reporting resources. Your account statements will reflect the BlackRock name beginning with the October month-end reporting period. Unless otherwise communicated to you, your funds maintain the same investment objectives that they did prior to the combination of MLIM and BlackRock. Importantly, this union does not affect your brokerage account or your relationship with your financial advisor. Clients of Merrill Lynch remain clients of Merrill Lynch.

We view this combination of asset management leaders as a complementary union that reinforces our commitment to shareholders. Individually, each firm made investment performance its single most important mission. Together, we are even better prepared to capitalize on market opportunities on behalf of our shareholders. Our focus on investment excellence is accompanied by an unwavering commitment to service, enabling us to assist clients, in cooperation with their financial professionals, in working toward their investment goals. We thank you for allowing us the opportunity, and we look forward to serving your investment needs in the months and years ahead as the new BlackRock.

Sincerely,

(Robert C. Doll, Jr.)  
Robert C. Doll, Jr.  
Vice Chairman  
BlackRock, Inc.

Data, including assets under management, are as of June 30, 2006.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

A Discussion With Your Fund's Portfolio Manager

Senior High Income Portfolio, Inc. outpaced its benchmark return for the period and provided an attractive yield as we sought to protect the Fund's underlying value while enhancing the level of income provided to shareholders.

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How did the Fund perform during the period in light of the existing market conditions?

For the six-month period ended August 31, 2006, the Common Stock of Senior High Income Portfolio, Inc. had net annualized yields of 9.32% and 8.88%, based on a period-end per share net asset value of \$6.00 and a per share market price of \$6.30, respectively, and \$.282 per share income dividends. Over the same period, the total investment return on the Fund's Common Stock was +4.78%, based on an unchanged per share net asset value of \$6.00, and assuming reinvestment of all distributions. The Fund's total return for the period outpaced the +3.35% return of its benchmark, which is an equal blend of the Credit Suisse High Yield Index and the Credit Suisse Leveraged Loan Index.

For a description of the Fund's total investment return based on a change in the per share market value of the Fund's Common Stock (as measured by the trading price of the Fund's shares on the New York Stock Exchange), and assuming reinvestment of dividends, please refer to the Financial Highlights section of this report. As a closed-end fund, the Fund's shares may trade in the secondary market at a premium or discount to the Fund's net asset value. As a result, total investment returns based on changes in the market value of the Fund's Common Stock can vary significantly from total investment returns based on changes in the Fund's net asset value.

Leveraged loans posted steady, positive returns for the six months ended August 31, 2006, with the Credit Suisse Leveraged Loan Index returning +3.25%. Despite a couple of small corrections in the high yield market, returns for the six-month period also were well in the positive range, at +3.45% as measured by the Credit Suisse High Yield Index.

The most important factor impacting both the high yield and leveraged loan markets was the robust issuance pace and growing influence of collateralized loan obligations (CLOs). CLOs are structured investment pools with various seniority tranches ranging from AAA-rated to equity. At present, AAA tranches, which typically represent approximately 76% of the CLO funding, are receiving the London InterBank Offered Rate (LIBOR) plus 25 basis points - 30 basis points (.25% - .30%). This relatively inexpensive source of funding has been the principal driver of spread compression for leveraged bank loans over the past few years. CLOs dominate the leveraged loan market with a roughly 65% share. Moreover, the CLO-related demand for leveraged loans has affected the high yield bond market. We have seen traditional high yield bond names migrate to the leveraged loan market often and are optimistically titled "second lien" bank loans. This bond to bank loan migration has curtailed high yield bond supply, resulting in spreads that are tighter than they otherwise would be.

CLO issuance for the first eight months of 2006 has been very strong at \$63.2 billion. This represents a nearly 74% increase compared to the same period in 2005, when issuance totaled \$34 billion. To date, the market has already eclipsed 2005's record full-year issuance of \$60.5 billion and could potentially exceed \$90 billion for the full year 2006.

With CLOs purchasing 65% of newly issued leveraged bank loans, their success has effectively compressed spreads in both the high yield and leveraged loan markets, as liabilities for such products have tightened. Given that current spreads allow for a barely double-digit return for the equity with favorable default and recovery scenarios and that AAA-rated CLO liabilities have been stable recently, we believe CLOs' ability to purchase bank loans at ever-tightening spreads is at an end.

What factors most influenced Fund performance?

The Fund's outperformance of its composite benchmark stems from its reliance

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on floating rate high yield notes, along with leveraged loans, to achieve its floating rate target. Floating rate high yield notes are subordinate to bank loans and, therefore, command higher spreads. They also have call protection, which enables them to trade at premiums not found in the leveraged loan market. This is because the vast majority of bank loans are callable at par for life. The Fund's performance also was enhanced by our active use of its leverage lines, which averaged 26.4% during the six-month period. (See page 2 of this report to shareholders for a discussion of the benefits and risks of leveraging.)

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Specific investments that made outsized contributions to Fund performance included Advanced Accessory Systems LLC, Charter Communications Holdings LLC and North Atlantic Trading Company Inc. The Fund's \$7.6 million investment in auto parts supplier Advanced Accessory Systems rallied sharply from 79.5 to 102.0 during the period. The company announced a tender offer for the bonds using asset sale proceeds. We participated in the tender to the benefit of the Fund. Regarding Charter Communications, Inc., the Fund owned four bond positions in this cable complex totaling \$6.3 million. Charter's management lacks a meaningful plan to address the company's overleveraged financial structure; however, the bonds rallied an average of 15 points based on both short covering (that is, the purchase of bonds previously sold short in order to close the open position) and more favorable sentiment on cable valuations. Finally, our \$2.125 million bond position in cigarette paper and tobacco company North Atlantic Trading rallied from 61.0 to 82.5 during the period. The bond price benefited from rumors of strategic initiatives at the company.

Conversely, investments that detracted most from Fund performance during the period included Ainsworth Lumber Co. Ltd. (ALC), James River Coal Company and Hines Nurseries, Inc. We had a \$7.4 million floating rate note exposure to ALC that weakened roughly 18 points during the period. ALC is the fourth-largest oriented strand board (OSB) manufacturer in North America. A slowdown in residential construction, coupled with additional OSB capacity, resulted in OSB price weakness, which adversely impacted the company's financial results. Our \$5 million bond position in Appalachian coal company James River Co. slipped in price from 104.25 to 92.75 following the release of weak second quarter financial results. The company attributes the poor performance to production curtailments made to comply with regulatory mandates. Finally, Hines is a commercial nursery that sells an assortment of container-grown plants through garden centers and mass merchandisers such as Lowe's, Home Depot and Wal-Mart. Our \$4.75 million bond position declined 10 points to 89 following a sharp drop in operating income in the second quarter. The company lost market share in the eastern United States, sending its second quarter revenues down 12%.

What changes were made to the Fund during the period?

The Fund is currently constructed with a 41% fixed rate/59% floating rate composition. This compared to a 50%/50% composition six months ago. The Fund's resulting duration is roughly 2.0 years, versus 4.3 years for the Credit Suisse High Yield Index. This means the Fund is positioned with less sensitivity to interest rate moves, cushioning its underlying value in the event of rising interest rates. Essentially, we have removed more than 50% of the price risk that would result from rising long-term interest rates.

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How would you characterize the Fund's position at the close of the period?

The 10-year Treasury yield retreated to approximately 4.75% at August 31, 2006, after brushing up against 5.25% last June. We continue to believe there is a good chance that a spike in inflation could prompt a rise in long-term interest rates. In the meantime, we are basing half of the Fund off of a three-month LIBOR rate of 5.4%. We believe this remains an attractive proposition given the 4.75% yield of the 10-year Treasury.

We thank you for your interest in the Fund and look forward to reviewing our performance, strategy and outlook with you again in our next report to shareholders.

Kevin J. Booth  
Vice President and Portfolio Manager

September 15, 2006

Effective October 2, 2006, we are pleased to announce that Mark J. Williams has joined Kevin Booth as Portfolio Manager and together they are primarily responsible for the day-to-day management of the Fund. Mr. Williams is a Managing Director and portfolio manager/loan originator with BlackRock. Prior to joining BlackRock in 1998, Mr. Williams spent eight years with PNC Bank's New York office and was a founding member of the bank's Leveraged Finance Group.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

### Portfolio Information

As of August 31, 2006

Ten Largest Holdings	Percent of Net Assets
Charter Communications, Inc. Term Loan B, 8.125% due 4/28/2013	2.4%
Wellman, Inc. First Lien Term Loan, 9.489% due 2/10/2009	2.4
Bowater, Inc. 8.329% due 3/15/2010	2.2
Nova Chemicals Corp., 8.405% due 11/15/2013	1.8
Frontier Drilling Term Loan B, 8.68% due 6/21/2013	1.8
Galaxy Entertainment Finance Co. Ltd., 10.42% due 12/15/2010	1.7
Advanced Accessory Systems LLC, 10.75% due 6/15/2011	1.7
CCM Merger, Inc., 8% due 8/01/2013	1.7
Omnova Solutions, Inc., 11.25% due 6/01/2010	1.7
NewPage Corp., 11.739% due 5/01/2012	1.7

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Five Largest Industries	Percent of Net Assets
Cable--U.S.	19.2%
Chemicals	14.3
Paper	11.3
Automotive	8.6
Gaming	8.5

For Fund compliance purposes, the Fund's industry classifications refer to any one or more of the industry sub-classifications used by one or more widely recognized market indexes or ratings group indexes, and/or as defined by Fund management. This definition may not apply for purposes of this report, which may combine industry sub-classifications for reporting ease.

Quality Ratings by S&P/Moody's	Percent of Total Investments
BB/Ba	17.5%
B/B	66.5
CCC/Caa	9.7
CC/Ca	0.5
NR (Not Rated)	5.5
Other*	0.3

\* Includes portfolio holdings in common stocks, preferred stocks, warrants, other interests and short-term investments.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Schedule of Investments

(in U.S. dollars)

Face Amount	Corporate Bonds	Value
Aerospace & Defense--1.5%		
\$5,510,000	Vought Aircraft Industries, Inc., 8% due 7/15/2011	\$ 4,959,000
Automotive--4.0%		
5,550,000	Advanced Accessory Systems LLC, 10.75% due 6/15/2011	5,702,625
1,300,000	Cooper-Standard Automotive, Inc., 8.375% due 12/15/2014	984,750
1,350,000	Delco Remy International, Inc., 9.507%	



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	due 4/15/2009 (f)	1,329,750
2,425,000	Exide Technologies, 11.50% due 3/15/2013 (i)	2,134,000
2,000,000	Ford Motor Credit Co., 9.957%	
	due 4/15/2012 (f)	2,114,320
1,175,000	Metaldyne Corp., 11% due 6/15/2012	1,081,000
	Venture Holdings Co. LLC:	
700,000	12% due 6/01/2009 (c)	0
3,325,000	Series B, 9.50% due 7/01/2005 (b)	4,156
		-----
		13,350,601
Broadcasting--1.3%		
500,000	LIN Television Corp. Series B, 6.50% due 5/15/2013	461,250
1,325,000	Paxon Communications Corp. (f)(i): 8.757% due 1/15/2012	1,334,937
2,625,000	11.757% due 1/15/2013	2,644,687
		-----
		4,440,874
Cable--International--0.1%		
350,000	NTL Cable Plc, 8.75% due 4/15/2014	363,125
Cable--U.S.--9.0%		
1,800,000	CSC Holdings, Inc., 7.25% due 7/15/2008	1,820,250
2,275,000	Cablevision Systems Corp. Series B, 9.62% due 4/01/2009 (f)	2,425,719
	Charter Communications Holdings LLC:	
1,750,000	10% due 4/01/2009	1,592,500
1,000,000	11.75% due 1/15/2010	840,000
2,000,000	11.125% due 1/15/2011	1,540,000
1,000,000	10% due 5/15/2011	710,000
5,000,000	EchoStar DBS Corp., 8.758% due 10/01/2008 (f)	5,062,500
	Intelsat Subsidiary Holding Co. Ltd.:	
1,925,000	10.484% due 1/15/2012 (f)	1,953,875
1,675,000	8.25% due 1/15/2013	1,670,812
2,400,000	8.625% due 1/15/2015	2,424,000
1,875,000	Mediacom LLC, 9.50% due 1/15/2013	1,926,562
2,600,000	PanAmSat Corp., 9% due 6/15/2016 (i)	2,639,000
5,250,000	Rainbow National Services LLC, 8.75% due 9/01/2012 (i)	5,538,750
		-----
		30,143,968
Chemicals--9.4%		
1,350,000	ArCo Chemical Co., 9.80% due 2/01/2020	1,542,375
2,250,000	Compass Minerals International, Inc. Series B, 12% due 6/01/2013 (j)	2,086,875
4,382,000	GEO Specialty Chemicals, Inc., 13.981% due 12/31/2009 (h)	3,615,150
	Huntsman International, LLC:	
855,000	9.875% due 3/01/2009	889,200
1,219,000	10.125% due 7/01/2009	1,243,380
1,708,000	Koppers, Inc., 9.875% due 10/15/2013	1,848,910
1,650,000	Lyondell Chemical Co., 11.125% due 7/15/2012	1,798,500
1,200,000	Millennium America, Inc., 7.625% due 11/15/2026	1,056,000
6,000,000	Nova Chemicals Corp., 8.405% due 11/15/2013 (f)	6,127,500

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Face Amount	Corporate Bonds	Value
Chemicals (concluded)		
\$5,350,000	Omnova Solutions, Inc., 11.25% due 6/01/2010	\$ 5,671,000
1,000,000	PolyOne Corp., 6.89% due 9/22/2008	958,750
	Rockwood Specialties Group, Inc.:	
1,322,000	10.625% due 5/15/2011	1,417,845
250,000	7.50% due 11/15/2014	245,625
3,000,000	Tronox Worldwide LLC, 9.50% due 12/01/2012	3,082,500
		-----
		31,583,610
Consumer--Durables--1.3%		
4,450,000	Simmons Bedding Co., 7.875% due 1/15/2014	4,294,250
Consumer--Non-Durables--3.4%		
4,725,000	Hines Nurseries, Inc., 10.25% due 10/01/2011	4,205,250
2,000,000	Levi Strauss & Co., 10.258% due 4/01/2012 (f)	2,065,000
2,125,000	North Atlantic Trading Co., 9.25% due 3/01/2012	1,753,125
3,525,000	Quiksilver, Inc., 6.875% due 4/15/2015	3,287,062
		-----
		11,310,437
Diversified Media--1.2%		
1,350,000	Nielsen Finance LLC, 10% due 8/01/2014 (i)	1,382,062
	Universal City Florida Holding Co. I:	
175,000	8.375% due 5/01/2010	176,094
2,450,000	10.239% due 5/01/2010 (f)	2,505,125
		-----
		4,063,281
Energy--Exploration & Production--1.3%		
1,500,000	Chaparral Energy, Inc., 8.50% due 12/01/2015	1,511,250
3,000,000	Compton Petroleum Finance Corp., 7.625% due 12/01/2013	2,925,000
		-----
		4,436,250
Energy--Other--3.0%		
1,000,000	Dresser, Inc., 9.375% due 4/15/2011	1,017,500
974,000	Dresser-Rand Group, Inc., 7.375% due 11/01/2014	937,475
5,000,000	Ocean RIG ASA, 9.481% due 4/04/2011	4,962,500
3,025,000	SemGroup LP, 8.75% due 11/15/2015 (i)	3,077,938
		-----
		9,995,413
Financial--1.5%		
4,000,000	Highland Legacy Ltd. CLO, 11.739% due 6/01/2011 (f) (i)	3,977,600
500,000	Investcorp SA, 7.54% due 10/21/2008	507,246
1,000,000	Pennant CBO Ltd., 13.43% due 3/14/2011 (i)	680,000

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		5,164,846
Food & Drug--0.2%		
500,000	Stripes Acquisition LLC, 10.625% due 12/15/2013 (i)	525,000
Food & Tobacco--0.3%		
1,000,000	Dole Food Co., Inc., 8.75% due 7/15/2013	945,000
Gaming--6.1%		
5,925,000	CCM Merger, Inc., 8% due 8/01/2013 (i)	5,673,187
5,450,000	Galaxy Entertainment Finance Co. Ltd. (i): 10.42% due 12/15/2010 (f)	5,708,875
550,000	9.875% due 12/15/2012	576,125
2,000,000	Inn of the Mountain Gods Resort & Casino, 12% due 11/15/2010	2,020,000
2,000,000	Jacobs Entertainment Co., 9.75% due 6/15/2014 (i)	1,997,500
1,550,000	Little Traverse Bay Bands of Odawa Indians, 10.25% due 2/15/2014 (i)	1,542,250

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Schedule of Investments (continued)

(in U.S. dollars)

Face Amount	Corporate Bonds	Value
Gaming (concluded)		
\$ 300,000	Penn National Gaming, Inc., 6.75% due 3/01/2015	\$ 288,750
1,000,000	Station Casinos, Inc., 7.75% due 8/15/2016	1,031,250
1,500,000	Tunica-Biloxi Gaming Authority, 9% due 11/15/2015 (i)	1,541,250
		-----
		20,379,187
Health Care--2.6%		
1,875,000	CDRV Investors, Inc., 9.75% due 1/01/2015 (j)	1,350,000
	Elan Finance Plc:	
1,650,000	7.75% due 11/15/2011	1,584,000
2,325,000	9.405% due 11/15/2011 (f)	2,348,250
3,000,000	Tenet Healthcare Corp., 7.375% due 2/01/2013	2,670,000
700,000	VWR International, Inc., 8% due 4/15/2014	693,000
		-----
		8,645,250
Housing--2.7%		
1,831,000	Goodman Global Holding Co., Inc.: 8.329% due 6/15/2012 (f)	1,831,000

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4,750,000	7.875% due 12/15/2012	4,453,125
500,000	Scranton Products, Inc., 10.50% due 7/01/2013	516,250
2,500,000	Technical Olympic USA, Inc., 8.25% due 4/01/2011 (i)	2,337,500
		-----
		9,137,875
Information Technology--3.9%		
3,800,000	Amkor Technology, Inc., 9.25% due 2/15/2008	3,838,000
1,375,000	MagnaChip Semiconductor SA, 8.579% due 12/15/2011 (f)	1,175,625
	SunGard Data Systems, Inc.:	
5,250,000	9.125% due 8/15/2013	5,420,625
1,750,000	9.973% due 8/15/2013 (f)	1,828,750
1,075,000	Telcordia Technologies Inc., 10% due 3/15/2013 (i)	857,313
		-----
		13,120,313
Leisure--1.3%		
2,475,000	FelCor Lodging LP, 9.57% due 6/01/2011 (f)	2,536,875
2,000,000	True Temper Sports, Inc., 8.375% due 9/15/2011	1,780,000
		-----
		4,316,875
Manufacturing--2.0%		
1,750,000	Columbus McKinnon Corp., 8.875% due 11/01/2013	1,785,000
3,000,000	Communications & Power Industries, Inc., 8% due 2/01/2012	3,022,500
1,838,000	Invensys Plc, 9.875% due 3/15/2011 (i)	1,985,040
		-----
		6,792,540
Metal--Other--3.3%		
	Indalex Holding Corp.:	
1,000,000	11.50% due 2/01/2014	1,065,000
2,950,000	11.50% due 2/01/2014 (i)	3,127,000
5,000,000	James River Coal Co., 9.375% due 6/01/2012	4,637,500
2,225,000	RathGibson, Inc., 11.25% due 2/15/2014 (i)	2,291,750
		-----
		11,121,250
Packaging--2.1%		
5,500,000	Packaging Dynamics Finance Corp., 10% due 5/01/2016 (i)	5,500,000
2,000,000	Wise Metals Group LLC, 10.25% due 5/15/2012	1,580,000
		-----
		7,080,000
Face Amount	Corporate Bonds	Value
Paper--10.5%		

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\$3,275,000	Abitibi-Consolidated, Inc., 8.829% due 6/15/2011 (f)	\$ 3,225,875
	Ainsworth Lumber Co. Ltd. (f):	
4,975,000	9.249% due 10/01/2010	4,154,125
2,500,000	9.499% due 4/01/2013	1,950,000
	Boise Cascade LLC:	
1,100,000	8.382% due 10/15/2012 (f)	1,105,500
350,000	7.125% due 10/15/2014	325,500
7,475,000	Bowater, Inc., 8.329% due 3/15/2010 (f)	7,549,750
1,775,000	Domtar, Inc., 7.125% due 8/15/2015	1,650,750
625,000	Graphic Packaging International Corp., 9.50% due 8/15/2013	628,125
5,150,000	JSG Funding Plc, 7.75% due 4/01/2015	4,686,500
5,175,000	NewPage Corp., 11.739% due 5/01/2012 (f)	5,589,000
800,000	Smurfit-Stone Container Enterprises, Inc., 8.375% due 7/01/2012	762,000
	Verso Paper Holdings LLC (i):	
2,300,000	9.235% due 8/01/2014 (f)	2,317,250
1,500,000	11.375% due 8/01/2016	1,485,000
		-----
		35,429,375
Retail--1.3%		
	Neiman Marcus Group, Inc.:	
2,250,000	9% due 10/15/2015	2,390,625
2,000,000	10.375% due 10/15/2015	2,140,000
		-----
		4,530,625
Service--3.7%		
2,700,000	Ahern Rentals, Inc., 9.25% due 8/15/2013	2,740,500
2,325,000	MSW Energy Holdings LLC, 8.50% due 9/01/2010	2,394,750
2,000,000	Neff Rental LLC, 11.25% due 6/15/2012 (i)	2,150,000
5,450,000	United Rentals North America, Inc., 7.75% due 11/15/2013	5,218,375
		-----
		12,503,625
Telecommunications--3.9%		
1,045,000	Cincinnati Bell, Inc., 8.375% due 1/15/2014	1,048,919
1,200,000	Nordic Telephone Co. Holdings ApS, 8.875% due 5/01/2016 (i)	1,248,000
4,000,000	Qwest Communications International, Inc., 8.905% due 2/15/2009 (f)	4,060,000
1,025,000	Qwest Corp., 8.579% due 6/15/2013 (f)	1,103,156
	Time Warner Telecom Holdings, Inc.:	
3,500,000	9.405% due 2/15/2011 (f)	3,570,000
2,000,000	9.25% due 2/15/2014	2,080,000
		-----
		13,110,075
Utility--1.3%		
1,600,000	Dynegy Holdings, Inc., 8.375% due 5/01/2016 (i)	1,576,000
2,000,000	El Paso Performance-Linked Trust, 7.75% due 7/15/2011 (i)	2,037,500
725,000	Williams Cos., Inc., 8.625% due 6/01/2010	756,725

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-----  
4,370,225

Wireless Communications--0.5%

1,550,000	Digicel Ltd., 9.25% due 9/01/2012 (i)	1,615,875
	Total Corporate Bonds	
	(Cost--\$285,175,308)--82.7%	277,728,745

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Schedule of Investments (continued)

(in U.S. dollars)

Face Amount	Floating Rate Loan Interests**	Value
Aerospace & Defense--1.5%		
\$5,092,593	Standard Aero Holdings Term Loan, 7.58% - 7.61% due 8/24/2012	\$ 5,095,775
Airlines--0.2%		
500,000	Delta Air Lines Term Loan B, 10.023% due 3/16/2008	506,607
Automotive--4.6%		
	Intermet Corp.:	
1,851,852	First Lien Term Loan, 10.283% due 11/08/2010	1,512,346
648,148	Letter of Credit, 10.25% due 11/08/2010	529,321
2,000,000	JL French Corp. First Lien Term Loan, 8.50% due 6/05/2011	1,996,666
	Metaldyne Corp. Term Loan D:	
269,659	10% due 12/31/2009	273,957
1,850,213	10% due 12/31/2009	1,869,641
4,000,000	3.50% - 10.50% due 8/18/2011	3,990,000
	Tenneco Automotive, Inc.:	
1,092,618	Term Loan B, 7.40% due 12/12/2010	1,100,266
479,968	Tranche B-1 Credit Linked Deposit, 7.402% due 12/12/2010	483,328
1,296,307	United Components, Inc. Term Loan D, 7.70% due 6/30/2012	1,302,788
2,250,000	Visteon Corp. Term Loan B, 8.61% due 6/13/2013	2,250,000
		----- 15,308,313

Broadcasting--1.2%

4,000,000	Ellis Communications Term Loan, 10% due 12/30/2011	4,000,000
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Cable--U.S.--10.2%

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5,000,000	Adelphia Communications Corp. Term Loan B, 10.25% due 6/30/2009	4,868,750
Cebridge Connections:		
4,040,356	Second Lien Term Loan, 11.49% due 5/05/2014	3,919,145
2,155,172	Term Loan B, 7.739% due 11/05/2013	2,142,663
3,000,000	Century Cable Holdings LLC Discretionary Term Loan, 10.25% due 12/31/2009	2,908,125
8,000,000	Charter Communications, Inc. Term Loan B, 8.125% due 4/28/2013	8,029,448
3,900,000	Insight Midwest Holdings LLC Term Loan C, 7.375% due 12/31/2009	3,924,578
1,997,647	Mediacom Communications Term Loan D, 7.002% - 7.37% due 1/31/2015	1,990,937
2,567,500	Mediacom LLC Term Loan C, 6.87% - 7.27% due 1/31/2015	2,560,165
4,000,000	Olympus Cable Holdings LLC Term Loan B, 10.25% due 9/30/2010	3,879,376
		----- 34,223,187

Chemicals--4.8%

2,673,000	CII Carbon Term Loan B, 7.375% - 7.50% due 8/23/2012	2,676,341
2,412,700	Celanese Holdings LLC Term Loan B, 7.50% due 4/06/2011	2,423,255
1,540,673	Huntsman ICI Holdings Term Loan B, 7.076% due 8/16/2012	1,538,747
1,576,000	Rockwood Specialties Group, Inc. Tranche D Term Loan, 7.85% due 12/13/2012	1,585,358
8,000,000	Wellman, Inc. First Lien Term Loan, 9.489% due 2/10/2009	8,027,504
		----- 16,251,205

Face Amount	Floating Rate Loan Interests**	Value
----------------	--------------------------------	-------

Consumer--Non-Durables--0.8%

\$1,205,930	Culligan International Co. Term Loan, 7.33% due 9/30/2011	\$ 1,207,815
1,462,500	Solo Cup Co. Term Loan, 7.61% - 7.999% due 2/27/2011	1,465,764
		----- 2,673,579

Diversified Media--0.6%

2,000,000	Nielsen Finance Term Loan B, 8.19% due 8/09/2013	1,993,828
-----------	---	-----------

Energy--Exploration & Production--1.9%

6,000,000	Frontier Drilling Term Loan B, 8.68% due 6/21/2013	6,015,000
498,750	MEG Energy Corp. Term Loan B, 7.50% due 4/03/2013	499,863
		-----

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		6,514,863
Energy--Other--3.5%		
2,666,667	Alon USA Energy, Inc., 7.906% due 6/22/2013	2,698,333
2,977,500	Cheniere Energy, Inc. Term Loan B, 8.249% due 8/30/2012	3,004,485
	Dresser, Inc.:	
132,270	Term Loan C, 7.83% due 4/10/2009	133,593
1,250,000	Term Loan Unsecured, 8.94% due 2/25/2010	1,275,000
2,487,500	Key Energy Services, Inc. Term Loan B, 8.90% - 9.23% due 6/30/2012	2,501,492
2,000,000	Scorpion Drilling Ltd. Second Lien Term Loan, 13.576% due 5/05/2015	2,080,000
		-----
		11,692,903
Financial--1.3%		
4,250,000	JG Wentworth Manufacturing Term Loan, 8.545% due 4/12/2011	4,297,813
Food & Tobacco--3.0%		
750,000	Bolthouse Farms, Inc. Second Lien Term Loan, 10.999% due 12/16/2013	764,375
1,874,500	Commonwealth Brands Term Loan, 7.75% due 12/22/2012	1,888,090
	Dole Food Co., Inc.:	
465,116	Letter of Credit, 5.37% due 4/12/2013	458,947
1,043,895	Term Loan B, 7.38% - 9.25% due 4/12/2013	1,030,049
3,479,651	Term Loan C, 7.375% - 9.25% due 4/04/2013	3,433,497
1,426,667	Pierre Foods, Inc. Term Loan B, 6.93% due 6/30/2010	1,431,572
1,000,000	QCE LLC First Lien Term Loan, 7.75% due 5/05/2013	998,854
		-----
		10,005,384
Gaming--2.4%		
4,987,849	Resorts International First Lien Term Loan, 9.50% due 4/26/2012	5,024,635
3,000,000	Venetian Macau U.S. Finance Co. LLC Term Loan B, 8.20% due 5/25/2013	3,015,000
		-----
		8,039,635
Health Care--1.0%		
3,359,633	VWR International, Inc. Tranche B Term Loan, 7.77% due 4/07/2011	3,369,084

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006



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Schedule of Investments (continued)

(in U.S. dollars)

Face Amount	Floating Rate Loan Interests**	Value
 Housing--2.7%		
\$ 194,737	LIONS Gables Realty Term Loan B, 7.12% due 9/30/2006	\$ 194,960
5,000,000	LNR Property Corp. Term Loan B, 8.22% due 7/12/2011	5,037,500
4,000,000	Stile U.S. Acquisition Corp. Bridge Loan, 11% due 4/06/2015	3,793,332
		-----
		9,025,792
 Information Technology--1.5%		
1,755,600	Activant Solutions Term Loan B, 7.438% - 7.50% due 5/02/2013	1,733,655
1,730,000	Fidelity National Information Solutions, Inc. Term Loan B, 7.08% due 3/08/2013	1,736,552
1,666,406	Telcordia Technologies, Inc. Term Loan, 7.86% - 7.90% due 9/15/2012	1,589,335
		-----
		5,059,542
 Manufacturing--1.0%		
3,456,250	Metokote Corp. Second Lien Term Loan, 8.58% - 8.74% due 11/27/2011	3,467,051
 Metal--Other--2.1%		
2,005,263	Euramax International Plc: Second Lien Term Loan, 12.489% due 6/29/2013	2,021,556
994,737	Second Lien Term Loan, 12.49% due 6/29/2013	1,002,819
1,700,843	Tranche 3 Term Loan B, 8.06% due 6/29/2012	1,711,474
2,336,169	Headwaters, Inc. Term Loan B-1, 7.33% - 7.50% due 4/30/2011	2,349,310
		-----
		7,085,159
 Packaging--1.2%		
1,921,183	Anchor Glass Container Corp. Term Loan B, 7.65% - 7.749% due 5/03/2013	1,925,986
2,000,000	Graham Packaging Co. LP Second Lien Term Loan, 9.75% due 4/07/2012	2,027,500
		-----
		3,953,486
 Paper--0.8%		
2,500,000	Georgia Pacific Corp. Second Lien Term Loan C, 7.958% - 8.30% due 12/23/2013	2,525,520
 Retail--0.1%		

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302,141	General Nutrition Centers, Inc. Tranche B Term Loan, 8.08% - 8.15% due 12/05/2009	304,313
Service--3.4%		
992,832	Allied Waste North America, Inc.: Term Loan, 7.20% - 7.27% due 1/15/2012	992,057
385,956	Tranche A Credit Linked Deposit, 5.334% due 1/15/2012	385,695
2,000,000	NES Rentals Holdings, Inc. Term Loan C, 12.125% due 7/20/2013	2,019,166
1,629,167	United Rentals, Inc.: Term Loan, 7.33% due 2/14/2011	1,634,113
333,333	Tranche B Credit Linked Deposit, 7.584% due 2/14/2011	334,345
2,154,600	Waste Services, Inc. Term Loan B: 8.58% - 8.65% due 3/31/2011	2,170,760
3,910,000	8.58% - 10.50% due 3/31/2011	3,936,861
		-----
		11,472,997
Face Amount	Floating Rate Loan Interests**	Value
Telecommunications--2.2%		
\$5,000,000	SBA Senior Finance Term Loan, 7.33% due 1/27/2007	\$ 5,014,065
1,702,542	Winstar Communications Debtor in Possession, 6.366% due 12/31/2006 (c)	2,417,610
		-----
		7,431,675
Utility--1.0%		
1,500,000	Calpine Corp. Second Lien Debtor in Possession, 9.499% due 12/20/2007	1,521,875
851,852	Covanta Energy Corp.: Delayed Draw Term Loan, 7.749% due 6/30/2012	851,852
1,105,000	Second Lien Term Loan, 10.581% - 10.96% due 6/24/2013	1,129,863
		-----
		3,503,590
Wireless Communications--1.4%		
2,750,000	Centennial Cellular Operating Co. Term Loan, 7.318% - 7.75% due 2/09/2011	2,771,852
2,000,000	Crown Castle Operating Co. Term Loan B, 7.65% due 6/01/2014	2,013,334
		-----
		4,785,186
	Total Floating Rate Loan Interests (Cost--\$180,688,211)--54.4%	182,586,487

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Shares Held	Common Stocks	Value
Chemicals--0.1%		
142,466	GEO Specialty Chemicals, Inc. (e)	284,932
Leisure--0.1%		
41,866	Lodgian, Inc. (e)	523,744
	Total Common Stocks (Cost--\$2,818,936)--0.2%	808,676
Preferred Stocks		
Cable--U.S.--0.0%		
2,500	Adelphia Communications Corp. Series B, 13% (e)	625
	Total Preferred Stocks (Cost--\$225,000)--0.0%	625
Warrants (g)		
Paper--0.0%		
3,500	MDP Acquisitions Plc (expires 10/01/2013)	70,000
Wireless Communications--0.1%		
600	American Tower Corp. (expires 8/01/2008)	302,598
	Total Warrants (Cost--\$39,036)--0.1%	372,598
BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.		AUGUST 31, 2006
Schedule of Investments (concluded)		(in U.S. dollars)
Beneficial Interest	Other Interests (d)	Value
Automotive--0.0%		
\$4,130,972	Cambridge Industries, Inc. (Litigation Trust Certificates)	\$ 41
Health Care--0.0%		
10,284	MEDIQ Inc. (Preferred Stock Escrow due 2/01/2006)	0

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	Total Other Interests (Cost--\$0)--0.0%	41
Beneficial Interest	Short-Term Securities	Value
\$ 313,923	Merrill Lynch Liquidity Series, LLC Cash Sweep Series I, 5.11% (a) (k)	\$ 313,923
	Total Short-Term Securities (Cost--\$313,923)--0.1%	313,923
Total Investments (Cost--\$469,260,414*)--137.5%		461,811,095
Liabilities in Excess of Other Assets--(37.5%)		(125,875,842)
		-----
Net Assets--100.0%		\$ 335,935,253
		=====

\* The cost and unrealized appreciation (depreciation) of investments as of August 31, 2006, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$	468,930,076
		=====
Gross unrealized appreciation	\$	9,212,844
Gross unrealized depreciation		(16,331,825)
		-----
Net unrealized depreciation	\$	(7,118,981)
		=====

\*\* Floating rate loan interests in which the Fund invests generally pay interest at rates that are periodically redetermined by reference to a base lending rate plus a premium. The base lending rates are generally (i) the lending rate offered by one or more major European banks, such as London InterBank Offered Rate ("LIBOR"), (ii) the prime rate offered by one or more U.S. banks, or (iii) the certificate of deposit rate.

- (a) Represents the current yield as of August 31, 2006.
- (b) As a result of bankruptcy proceedings, the company did not repay the principal amount of the security upon maturity and is non-income producing.
- (c) Non-income producing security; issuer filed for bankruptcy or is in default of interest payments.
- (d) Other interests represent beneficial interest in liquidation trusts and other reorganization entities and are non-income producing.
- (e) Non-income producing security.
- (f) Floating rate security.
- (g) Warrants entitle the Fund to purchase a predetermined number of shares

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of common stock and are non-income producing. The purchase price and number of shares are subject to adjustment under certain conditions until the expiration date.

- (h) Convertible security.
- (i) The security may be offered and sold to "qualified institutional buyers" under Rule 144A of the Securities Act of 1933.
- (j) Represents a step-up bond; the interest rate shown is the effective yield at the time of purchase by the Fund.
- (k) Investments in companies considered to be an affiliate of the Fund, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, were as follows:

Affiliate	Net Activity	Interest Income
Merrill Lynch Liquidity Series, LLC Cash Sweep Series I	\$313,923	\$24,408

- o For Fund compliance purposes, the Fund's industry classifications refer to any one or more of the industry sub-classifications used by one or more widely recognized market indexes or ratings group indexes, and/or as defined by Fund management. This definition may not apply for purposes of this report, which may combine industry sub-classifications for reporting ease. Industries are shown as a percent of net assets.

See Notes to Financial Statements.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

### Statement of Assets, Liabilities and Capital

As of August 31, 2006

#### Assets

Investments in unaffiliated securities, at value (identified cost--\$468,946,491)	
Investments in affiliated securities, at value (identified cost--\$313,923)	
Receivables:	
Interest	\$
Principal paydowns	
Commitment fees	
Prepaid expenses	
Total assets	

#### Liabilities

Loans	
Unfunded loan committment	

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### Payables:

Investment adviser  
Interest on loans  
Other affiliates

Accrued expenses

Total liabilities

### Net Assets

Net assets

### Capital

Common Stock, par value \$.10 per share; 200,000,000 shares authorized (56,025,646 shares issued and outstanding)

Paid-in capital in excess of par

Undistributed investment income--net

Accumulated realized capital losses--net

Unrealized depreciation--net

Total accumulated losses--net

Total capital--Equivalent to \$6.00 net asset value per share of Common Stock (market price--\$6.30)

See Notes to Financial Statements.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

### Statement of Operations

For the Six Months Ended August 31, 2006

#### Investment Income

Interest (including \$24,408 from affiliates)  
Facility and other fees

Total income

#### Expenses

Loan interest expense  
Investment advisory fees  
Borrowing costs  
Accounting services  
Professional fees  
Transfer agent fees  
Directors' fees and expenses  
Printing and shareholder reports  
Listing fees

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Custodian fees  
Pricing services  
Other

Total expenses

Investment income--net

Realized & Unrealized Gain (Loss)--Net

Realized loss on investments--net  
Change in unrealized appreciation/depreciation on:  
    Investments--net  
    Unfunded corporate loans--net

Total realized and unrealized loss--net

Net Increase in Net Assets Resulting from Operations

See Notes to Financial Statements.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Statements of Changes in Net Assets

Increase (Decrease) in Net Assets:

Operations

Investment income--net  
Realized gain (loss)--net  
Change in unrealized appreciation/depreciation--net  
  
Net increase in net assets resulting from operations

Dividends to Shareholders

Dividends to shareholders from investment income--net

Capital Share Transactions

Value of shares issued to Common Stock shareholders in reinvestment of dividends  
  
Net increase in net assets resulting from capital share transactions

Net Assets

Total increase (decrease) in net assets  
Beginning of period

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End of period\*

\* Undistributed investment income--net

See Notes to Financial Statements.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Statement of Cash Flows

For the Six Months Ended August 31, 2006

Cash Provided by Operating Activities

Net increase in net assets resulting from operations  
Adjustments to reconcile net increase in net assets resulting from operations to net cash  
provided by operating activities:  
    Increase in other receivables  
    Decrease in prepaid expenses and other assets  
    Increase in other liabilities  
    Realized and unrealized loss--net  
    Amortization of premium and discount  
Proceeds from sales and paydowns of long-term securities  
Other investment-related transactions  
Purchases of long-term investments  
Net purchases of short-term investments  
  
Cash provided by operating activities

Cash Used for Financing Activities

Cash receipts from borrowings  
Cash payments on borrowings  
Dividends paid to shareholders  
Decrease in bank overdraft  
  
Cash used for financing activities

Cash

Net increase in cash  
Cash at beginning of period  
  
Cash at end of period

Cash Flow Information

Cash paid for interest

Non-Cash Financing Activities



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Value of capital shares issued on reinvestment of dividends to shareholders

See Notes to Financial Statements.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

## Financial Highlights

The following per share data and ratios have been derived from information provided in the financial statements.	For the Six Months Ended August 31, 2006	For the Year Ended February 28, 2006	For the Year Ended February 28, 2005	For the Year Ended February 28, 2004
<b>Per Share Operating Performance</b>				
Net asset value, beginning of period	\$ 6.00	\$ 6.28	\$ 6.10	\$ 4.00
Investment income--net***	.28	.55	.57	.16
Realized and unrealized gain (loss)--net	--++	(.27)	.16	1.00
Total from investment operations	.28	.28	.73	1.16
Less dividends from investment income--net	(.28)	(.56)	(.55)	(.60)
Net asset value, end of period	\$ 6.00	\$ 6.00	\$ 6.28	\$ 6.10
Market price per share, end of period	\$ 6.30	\$ 5.88	\$ 6.21	\$ 6.10
<b>Total Investment Return**</b>				
Based on net asset value per share	4.78%+++	5.07%	12.88%	41.4%
Based on market price per share	12.27%+++	4.13%	11.44%	25.3%
<b>Ratios to Average Net Assets</b>				
Expenses, excluding interest expense	.88%*	.91%	.91%	.91%
Expenses	2.82%*	2.39%	1.69%	1.44%
Investment income--net	9.39%*	9.23%	9.28%	11.2%
<b>Leverage</b>				
Amount of borrowings, end of period (in thousands)	\$ 132,900	\$ 141,700	\$ 147,500	\$ 132,200
Average amount of borrowings outstanding during the period (in thousands)	\$ 122,476	\$ 128,461	\$ 137,934	\$ 112,000
Average amount of borrowings outstanding per share during the period***	\$ 2.19	\$ 2.30	\$ 2.48	\$ 2.19

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### Supplemental Data

Net assets, end of period (in thousands)	\$ 335,935 =====	\$ 335,690 =====	\$ 349,791 =====	\$ 339,9 =====
Portfolio turnover	27.53% =====	48.41% =====	54.18% =====	63.7 =====

\* Annualized.

\*\* Total investment returns based on market price, which can be significantly greater or less than the net asset value, may result in substantially different returns. Total investment returns do not include the effects of sales charges.

\*\*\* Based on average shares outstanding.

++ Amount is less than \$(.01) per share.

+++ Aggregate total investment return.

See Notes to Financial Statements.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

### Notes to Financial Statements

#### 1. Significant Accounting Policies:

On September 29, 2006, Senior High Income Portfolio, Inc. was renamed BlackRock Senior High Income Portfolio, Inc. (the "Fund"). The Fund is registered under the Investment Company Act of 1940, as amended, as a non-diversified, closed-end management investment company. The Fund's financial statements are prepared in conformity with U.S. generally accepted accounting principles, which may require the use of management accruals and estimates. Actual results may differ from these estimates. These unaudited financial statements reflect all adjustments, which are, in the opinion of management, necessary to present a fair statement of the results for the interim period. All such adjustments are of a normal, recurring nature. The Fund determines and makes available for publication the net asset value of its Common Stock on a daily basis. The Fund's Common Stock shares are listed on the New York Stock Exchange ("NYSE") under the symbol ARK.

(a) Corporate debt obligations--The Fund invests principally in senior debt obligations of companies, including floating rate loans made by banks and other financial institutions and both privately and publicly offered corporate bonds and notes. Because agents and intermediaries are primarily commercial banks or other financial institutions, the Fund's investment in floating rate loans could be considered concentrated in financial institutions.

(b) Valuation of investments--Floating rate loans are valued in accordance with guidelines established by the Fund's Board of Directors. Floating rate loans are valued at the mean between the last available bid and asked prices from one or more brokers or dealers as obtained from Loan Pricing Corporation. As of October 2, 2006, floating rate loan interests will be valued at the mean between the last available bid price. For the limited number of floating rate loans for which no reliable price quotes are available, such floating rate loans will be valued by Loan Pricing Corporation through the use of pricing

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matrices to determine valuations. If the pricing service does not provide a value for a floating rate loan, Fund Asset Management, L.P. ("FAM") will value the floating rate loan at fair value, which is intended to approximate market value.

Debt securities are traded primarily in the over-the-counter ("OTC") markets and are valued at the last available bid price in the OTC markets or on the basis of values as obtained by a pricing service. Pricing services use valuation matrixes that incorporate both dealer-supplied valuations and valuation models. The procedures of the pricing service and its valuations are reviewed by the officers of the Fund under the general direction of the Board of Directors. Such valuations and procedures will be reviewed periodically by the Board of Directors of the Fund.

Securities that are held by the Fund that are traded on stock exchanges or the Nasdaq National Market are valued at the last sale price or official close price on the exchange on which such securities are traded, as of the close of business on the day the securities are being valued or, lacking any sales, at the last available bid price for long positions, and at the last available asked price for short positions. In cases where securities are traded on more than one exchange, the securities are valued on the exchange designated as the primary market by or under the authority of the Board of Directors of the Fund. Long positions in securities traded in the OTC market, Nasdaq Small Cap or Bulletin Board are valued at the last available bid price or yield equivalent obtained from one or more dealers or pricing services approved by the Board of Directors of the Fund. Short positions in securities traded in the OTC market are valued at the last available asked price. Portfolio securities that are traded both in the OTC market and on a stock exchange are valued according to the broadest and most representative market. When the Fund writes an option, the amount of the premium received is recorded on the books of the Fund as an asset and an equivalent liability. The amount of the liability is subsequently valued to reflect the current market value of the option written, based on the last sale price in the case of exchange-traded options or, in the case of options traded in the OTC market, the last asked price. Options purchased by the Fund are valued at their last sale price in the case of exchange-traded options or, in the case of options traded in the OTC market, the last bid price. Swap agreements are valued based upon quoted fair valuations received daily by the Fund from a pricing service or counterparty. Other investments, including futures contracts and related options, are stated at market value. Obligations with remaining maturities of 60 days or less are valued at amortized cost unless FAM believes that this method no longer produces fair valuations. Valuation of other short-term investment vehicles is generally based on the net asset value of the underlying vehicle or amortized cost. Repurchase agreements will be valued at cost plus accrued interest.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Notes to Financial Statements (continued)

Generally, trading in foreign securities, as well as U.S. government securities, money market instruments and certain fixed income securities, is substantially completed each day at various times prior to the close of business on the NYSE. The values of such securities used in computing the net asset value of the Fund's shares are determined as of such times. Foreign currency exchange rates also are generally determined prior to the close of business on the NYSE. As of October 2, 2006, foreign currency exchange rates

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will be determined at the close of business on the NYSE. Occasionally, events affecting the values of such securities and such exchange rates may occur between the times at which they are determined and the close of business on the NYSE that may not be reflected in the computation of the Fund's net asset value. If events (for example, a company announcement, market volatility or a natural disaster) occur during such periods that are expected to materially affect the value of such securities, those securities may be valued at their fair value as determined in good faith by the Board of Directors or by FAM using a pricing service and/or procedures approved by the Board of Directors.

(c) Derivative financial instruments--The Fund may engage in various portfolio investment strategies both to increase the return of the Fund and to hedge, or protect, its exposure to interest rate movements and movements in the securities markets. Losses may arise due to changes in the value of the contract or if the counterparty does not perform under the contract.

\* Financial futures contracts--The Fund may purchase or sell financial futures contracts and options on such financial futures contracts for the purpose of hedging the market risk on existing securities or the intended purchase of securities. Financial futures contracts are contracts for delayed delivery of securities at a specific future date and at a specific price or yield. Upon entering into a contract, the Fund deposits and maintains as collateral such initial margin as required by the exchange on which the transaction is effected. Pursuant to the contract, the Fund agrees to receive from or pay to the broker an amount of cash equal to the daily fluctuation in value of the contract. Such receipts or payments are known as variation margin and are recorded by the Fund as unrealized gains or losses. When the contract is closed, the Fund records a realized gain or loss equal to the difference between the value of the contract at the time it was opened and the value at the time it was closed.

\* Options--The Fund may write and purchase call and put options. When the Fund writes an option, an amount equal to the premium received by the Fund is reflected as an asset and an equivalent liability. The amount of the liability is subsequently marked-to-market to reflect the current market value of the option written. When a security is purchased or sold through an exercise of an option, the related premium paid (or received) is added to (or deducted from) the basis of the security acquired or deducted from (or added to) the proceeds of the security sold. When an option expires (or the Fund enters into a closing transaction), the Fund realizes a gain or loss on the option to the extent of the premiums received or paid (or gain or loss to the extent the cost of the closing transaction is less than or exceeds the premiums paid or received).

Written and purchased options are non-income producing investments.

\* Swaps--The Fund may enter into swap agreements, which are OTC contracts in which the Fund and a counterparty agree to make periodic net payments on a specified notional amount. The net payments can be made for a set period of time or may be triggered by a pre-determined credit event. The net periodic payments may be based on a fixed or variable interest rate; the change in market value of a specified security, basket of securities, or index; or the return generated by a security. These periodic payments received or made by the Fund are recorded in the accompanying Statement of Operations as realized gains or losses, respectively. Gains or losses are also realized upon termination of the swap agreements. Swaps are marked-to-market daily and changes in value are recorded as unrealized appreciation (depreciation). Risks include changes in the returns of the underlying instruments, failure of the counterparties to perform under the contracts' terms and the possible lack of liquidity with respect to the swap agreements.

(d) Income taxes--It is the Fund's policy to comply with the requirements of

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the Internal Revenue Code applicable to regulated investment companies and to distribute substantially all of its taxable income to its shareholders. Therefore, no federal income tax provision is required.

(e) Recent accounting pronouncement--In July 2006, the Financial Accounting Standards Board ("FASB") issued Interpretation No. 48 ("FIN 48") entitled "Accounting for Uncertainty in Income Taxes - an interpretation of FASB Statement No. 109." FIN 48 prescribes the minimum recognition threshold a tax position must meet in connection with accounting for uncertainties in income tax positions taken or expected to be taken by an entity including mutual funds before being measured and recognized in the financial statements. Adoption of FIN 48 is required for fiscal years beginning after December 15, 2006. The impact on the Fund's financial statements, if any, is currently being assessed.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Notes to Financial Statements (continued)

(f) Security transactions and investment income--Security transactions are recorded on the dates the transactions are entered into (the trade dates). Realized gains and losses on security transactions are determined on the identified cost basis. Interest income is recognized on the accrual basis. The Fund amortizes all premiums and discounts on debt securities.

(g) Dividends and distributions--Dividends from net investment income are declared and paid monthly. Distributions of capital gains are recorded on the ex-dividend dates. The Fund may at times pay out less than the entire amount of net investment income earned in any particular period and may at times pay out such accumulated undistributed income in other periods to permit the Fund to maintain a more stable level of dividends.

(h) Securities lending--The Fund may lend securities to financial institutions that provide cash or securities issued or guaranteed by the U.S. government as collateral, which will be maintained at all times in an amount equal to at least 100% of the current market value of the loaned securities. The market value of the loaned securities is determined at the close of business of the Fund and any additional required collateral is delivered to the Fund on the next business day. Where the Fund receives securities as collateral for the loaned securities, it receives a fee from the borrower. The Fund typically receives the income on the loaned securities, but does not receive the income on the collateral. Where the Fund receives cash collateral, it may invest such collateral and retain the amount earned on such investment, net of any amount rebated to the borrower. Loans of securities are terminable at any time and the borrower, after notice, is required to return borrowed securities within five business days. The Fund may pay reasonable finder's, lending agent, administrative and custodial fees in connection with its loans. In the event that the borrower defaults on its obligation to return borrowed securities because of insolvency or for any other reason, the Fund could experience delays and costs in gaining access to the collateral. The Fund also could suffer a loss where the value of the collateral falls below the market value of the borrowed securities, in the event of borrower default or in the event of losses on investments made with cash collateral.

2. Investment Advisory Agreement and Transactions with Affiliates:

The Fund has entered into an Investment Advisory Agreement with FAM. The

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general partner of FAM is Princeton Services, Inc. ("PSI"), an indirect, wholly-owned subsidiary of Merrill Lynch & Co., Inc. ("ML & Co."), which is the limited partner.

FAM is responsible for the management of the Fund's portfolio and provides the necessary personnel, facilities, equipment and certain other services necessary to the operations of the Fund. For such services, the Fund pays a monthly fee at an annual rate of .50% of the Fund's average weekly net assets plus the proceeds of any outstanding borrowings used for leverage.

The Fund has received an exemptive order from the Securities and Exchange Commission permitting it to lend portfolio securities to Merrill Lynch, Pierce, Fenner & Smith Incorporated, an affiliate of FAM, or its affiliates. Pursuant to that order, the Fund also has retained Merrill Lynch Investment Managers, LLC ("MLIM, LLC"), an affiliate of FAM, as the securities lending agent for a fee based on a share of the returns on investment of cash collateral. MLIM, LLC may, on behalf of the Fund, invest cash collateral received by the Fund for such loans, among other things, in a private investment company managed by MLIM, LLC or in registered money market funds advised by Merrill Lynch Investment Managers, L.P. ("MLIM"), an affiliate of FAM.

For the six months ended August 31, 2006, the Fund reimbursed FAM \$3,363 for certain accounting services.

In February 2006, ML & Co. and BlackRock, Inc. entered into an agreement to contribute ML & Co.'s investment management business, including FAM, to the investment management business of BlackRock, Inc. The transaction will close on September 29, 2006.

On August 15, 2006, shareholders of the Fund approved a new Investment Advisory Agreement with BlackRock Advisors, Inc. (the "Manager"), a wholly owned subsidiary of BlackRock, Inc. BlackRock Advisors, Inc. was reorganized into BlackRock Advisors, LLC. The new advisory agreement will become effective on September 29, 2006 and the investment advisory fee is unchanged. In addition, the Manager has entered into a sub-advisory agreement with BlackRock Investment Management, LLC, an affiliate, under which the Manager pays the Sub-Adviser for services it provides a fee equal to 59% of the management fee paid to the Manager.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Notes to Financial Statements (concluded)

In connection with the closing, MLIM, LLC, the security lending agent, will become BlackRock Investment Management, LLC.

During the six months ended August 31, 2006, certain officers and/or directors of the Fund are officers and/or directors of FAM, PSI, ML & Co., MLIM, and/or MLIM, LLC.

### 3. Investments:

Purchases and sales (including paydowns) of investments, excluding short-term securities, for the six months ended August 31, 2006 were \$125,277,771 and \$138,569,172, respectively.

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### 4. Capital Share Transactions:

The Fund is authorized to issue 200,000,000 shares of capital stock, par value \$.10, all of which are initially classified as Common Stock. The Board of Directors is authorized, however, to classify and reclassify any unissued shares of capital stock without approval of the holders of Common Stock.

Shares issued and outstanding during the six months ended August 31, 2006 and the year ended February 28, 2006 increased by 84,338 and 200,735, respectively, as a result of dividend reinvestment.

### 5. Unfunded Corporate Loans:

As of August 31, 2006, the Fund had unfunded loan commitments of approximately \$3,833,000, which would be extended at the option of the borrower, pursuant to the following loan agreements:

(in Thousands)

Borrower	Unfunded Commitment	Value
Alon USA Energy, Inc.	\$ 333	\$1,485
Calpine Corp.	\$1,500	\$ 337
MEG Energy Corp.	\$ 500	\$ 499
Venetian Macau U.S. Finance Co. LLC	\$1,500	\$1,499

### 6. Short-Term Borrowings:

On May 22, 2006, the Fund renewed its revolving credit and security agreement funded by a commercial paper asset securitization program with Citigroup North America, Inc. ("Citigroup") as Agent, certain secondary backstop lenders, and certain asset securitization conduits as lenders (the "Lenders"). The agreement was renewed for one year and has a maximum limit of \$175,000,000. Under the Citigroup program, the conduits will fund advances to the Fund through the issuance of highly rated commercial paper. As security for its obligations to the Lenders under the revolving securitization facility, the Fund has granted a security interest in substantially all of its assets to and in favor of the Lenders. The interest rate on the Fund's borrowings is based on the interest rate carried by the commercial paper plus a program fee. The Fund pays additional borrowing costs including a backstop commitment fee.

The weighted average annual interest rate was 5.31% and the average borrowing was approximately \$122,476,000 for the six months ended August 31, 2006.

### 7. Capital Loss Carryforward:

On February 28, 2006, the Fund had a net capital loss carryforward of \$155,613,418, of which \$4,282,847 expires in 2007, \$12,755,214 expires in 2008, \$25,658,795 expires in 2009, \$54,958,583 expires in 2010, \$30,706,546 expires in 2011, \$22,345,071 expires in 2012 and \$4,906,362 expires in 2014. This amount will be available to offset like amounts of any future taxable gains.

### 8. Subsequent Event:

The Fund paid an ordinary income dividend in the amount of \$.047000 per share on September 29, 2006 to shareholders of record on September 15, 2006.

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BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

### Disclosure of FAM Investment Advisory Agreement

The Board of Directors met in August 2006 to consider approval of the Fund's investment advisory agreement with Fund Asset Management, L.P. ("FAM"), the Fund's investment adviser at the time.

### Activities and Composition of the Board of Directors

All but one member of the Board of Directors is an independent director, whose only association with FAM or other Merrill Lynch affiliates was as a director of the Fund and as a trustee or director of certain other funds advised by FAM or its affiliates. The Chairman of the Board is also an independent director. New director nominees are chosen by a Nominating Committee comprised of independent directors. All independent directors also are members of the Board's Audit Committee, and the independent directors meet in executive session at each in-person Board meeting. The Board and the Audit Committee meet in person for at least two days each quarter and conduct other in-person and telephonic meetings throughout the year, some of which are formal Board meetings and some of which are informational meetings. The independent counsel to the independent directors attends all in-person Board and Audit Committee meetings and other meetings at the independent directors' request.

### Investment Advisory Agreement--Matters Considered by the Board

Every year, the Board considers approval of the Fund's investment advisory agreement. The Board assesses the nature, scope and quality of the services provided to the Fund by the personnel of the investment adviser and its affiliates, including administrative services, shareholder services, oversight of fund accounting, marketing services and assistance in meeting legal and regulatory requirements. The Board also receives and assesses information regarding the services provided to the Fund by certain unaffiliated service providers.

At various times throughout the year, the Board also considers a range of information in connection with its oversight of the services provided by the investment adviser and its affiliates. Among the matters considered are: (a) fees (in addition to management fees) paid to the investment adviser and its affiliates by the Fund; (b) Fund operating expenses paid to third parties; (c) the resources devoted to and compliance reports relating to the Fund's investment objective, policies and restrictions, and its compliance with its Code of Ethics and compliance policies and procedures; and (d) the nature, cost and character of non-investment management services provided by the investment adviser and its affiliates.

The Board noted its view of FAM as one of the most experienced global asset management firms and considered the overall services provided by FAM to be of high quality. The Board also noted its view of FAM as financially sound and well managed and noted FAM's affiliation with one of America's largest financial firms. The Board works closely with the investment adviser in overseeing the investment adviser's efforts to achieve good performance. As part of this effort, the Board discusses portfolio manager effectiveness and, when performance is not satisfactory, discusses with the investment adviser taking steps such as changing investment personnel.



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Annual Consideration of Approval by the Board of Directors

In the period prior to the Board meeting to consider renewal of the investment advisory agreement, the Board requests and receives materials specifically relating to the investment advisory agreement. These materials include (a) information compiled by Lipper Inc. ("Lipper") on the fees and expenses, investment performance and leverage of the Fund as compared to a comparable group of funds as classified by Lipper; (b) information comparing the Fund's market price with its net asset value per share; (c) a discussion by the Fund's portfolio management team regarding investment strategies used by the Fund during its most recent fiscal year; (d) information on the profitability to the investment adviser and its affiliates of the investment advisory agreement and other relationships with the Fund; and (e) information provided by the investment adviser concerning investment advisory fees charged to other retail closed-end funds under similar investment mandates. The Board also considers other matters it deems important to the approval process, such as payments made for services related to the valuation and pricing of Fund portfolio holdings, the Fund's portfolio turnover statistics, and direct and indirect benefits to the investment adviser and its affiliates from their relationship with the Fund. The Board did not identify any particular information as controlling, and each member of the Board may have attributed different weights to the various items considered.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Disclosure of FAM Investment Advisory Agreement (concluded)

### Certain Specific Renewal Data

In connection with the most recent renewal of the Fund's investment advisory agreement with FAM (the "FAM Investment Advisory Agreement") in August 2006, the independent directors' and Board's review included the following:

Services Provided by FAM--The Board reviewed the nature, extent and quality of services provided by FAM, including the investment advisory services and the resulting performance of the Fund. The Board focused primarily on FAM's investment advisory services and the Fund's investment performance. The Board compared Fund performance - both including and excluding the effects of the Fund's fees and expenses - to the performance of a comparable group of funds and the performance of a relevant index or combination of indexes. While the Board reviews performance data at least quarterly, consistent with the investment adviser's investment goals, the Board attaches more importance to performance over relatively long periods of time, typically three to five years.

The Board noted that according to Lipper's ranking of all closed-end leveraged high current yield funds for the periods ended May 31, 2006, the Fund's performance after fees and expenses ranked in the first quintile for the one-year period and in the second quintile for the three- and five-year periods. The Board considered the Fund's performance based on annualized total return and noted that the Fund's total return was in the first quintile for each of the one-year periods ended May 31, 2006 and 2004, in the third quintile for each of the one-year periods ended May 31, 2003 and 2002 and in the fifth quintile for the one-year period ended May 31, 2005. The Board also considered the Fund's performance based on annualized yield and noted that the Fund's yield was in the fourth quintile for each of the one-year periods ended May 31, 2006, 2004 and 2003 and in the fifth quintile for each of the one-year

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periods ended May 31, 2005 and 2002. The Board concluded that the Fund's performance supported the continuation of the FAM Investment Advisory Agreement.

FAM's Personnel and Investment Process--The Board reviewed the Fund's investment objectives and strategies. The Board discusses with senior management of the investment adviser responsible for investment operations and the senior management of the investment adviser's taxable fixed-income investing group the strategies being used to achieve the stated objectives. Among other things, the Board considers the size, education and experience of the investment adviser's investment staff, its use of technology, and the investment adviser's approach to training and retaining portfolio managers and other research, advisory and management personnel. The Board also reviews the investment adviser's compensation policies and practices with respect to the Fund's portfolio manager. The Board also considered the experience of the Fund's portfolio manager. It was noted that Mr. Booth, the Fund's portfolio manager, has more than twenty years' experience in portfolio management. The Board considered the extensive experience of FAM and its investment staff in analyzing and managing the types of investments used by the Fund. The Board concluded that the Fund benefits from that experience.

Management Fees and Other Expenses--The Board reviews the Fund's contractual management fee rate and actual management fee rate as a percentage of total assets at common asset levels - the actual rate includes advisory and administrative service fees and the effects of any fee waivers - compared to the other funds in its Lipper category. It also compares the Fund's total expenses to those of other comparable funds. The Board considered the services provided to and the fees charged by FAM to another retail closed-end fund with a similar investment mandate. The Board noted that the investment advisory fees charged to the Fund were somewhat less than the fees charged to the other retail closed-end funds of FAM with a similar investment mandate. The Board noted that the Fund's contractual and actual management fee rates and total expense ratio were below the median fees charged by and total expense ratios of comparable funds, as determined by Lipper. The Board concluded that the Fund's management fee rate and overall expense ratio were reasonable compared to those of other comparable funds.

Profitability--The Board considers the cost of the services provided to the Fund by the investment adviser and the investment adviser's and its affiliates' profits relating to the management and distribution of the Fund and the funds advised by the investment adviser and its affiliates. As part of its analysis, the Board reviewed FAM's methodology in allocating its costs to the management of the Fund and concluded that there was a reasonable basis for the allocation. The Board also considered federal court decisions discussing an investment adviser's profitability and profitability levels considered to be reasonable in those decisions. The Board concluded that the profits of FAM and its affiliates were acceptable in relation to the nature and quality of services provided and given the level of fees and expenses overall.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Economies of Scale--The Board considered the extent to which economies of scale might be realized as the assets of the Fund increase and whether there should be changes in the management fee rate or structure in order to enable the Fund to participate in these economies of scale. The Board considered economies of scale to the extent applicable to the Fund's closed-end structure and determined that no changes were currently necessary.

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### Conclusion

After the independent directors deliberated in executive session, the entire Board, including all of the independent directors, approved the renewal of the existing FAM Investment Advisory Agreement, concluding that the advisory fee was reasonable in relation to the services provided and that a contract renewal was in the best interests of the shareholders.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

### Disclosure of New Investment Advisory Agreement

#### New BlackRock Investment Advisory Agreement--Matters Considered by the Board

In connection with the combination of Merrill Lynch's investment advisory business, including Fund Asset Management, L.P. (the "Previous Investment Adviser"), with that of BlackRock, Inc. ("BlackRock") to create a new independent company ("New BlackRock") (the "Transaction"), the Fund's Board of Directors considered and approved a new investment advisory agreement (the "BlackRock Investment Advisory Agreement") between the Fund and BlackRock Advisors, LLC ("BlackRock Advisors"). The Fund's shareholders subsequently approved the BlackRock Investment Advisory Agreement and it became effective on September 29, 2006, replacing the investment advisory agreement with the Previous Investment Adviser (the "Previous Investment Advisory Agreement").

The Board discussed the BlackRock Investment Advisory Agreement at telephonic and in-person meetings held during April and May 2006. The Board, including the independent directors, approved the BlackRock Investment Advisory Agreement at an in-person meeting held on May 12, 2006.

To assist the Board in its consideration of the BlackRock Investment Advisory Agreement, BlackRock provided materials and information about BlackRock, including its financial condition and asset management capabilities and organization, and Merrill Lynch provided materials and information about the Transaction. The independent directors, through their independent legal counsel, also requested and received additional information from Merrill Lynch and BlackRock in connection with their consideration of the BlackRock Investment Advisory Agreement. The additional information was provided in advance of the May 12, 2006 meeting. In addition, the independent directors consulted with their counsel and Fund counsel on numerous occasions, discussing, among other things, the legal standards and certain other considerations relevant to the directors' deliberations.

At the Board meetings, the directors discussed with Merrill Lynch management and certain BlackRock representatives the Transaction, its strategic rationale and BlackRock's general plans and intentions regarding the Fund. At these Board meetings, representatives of Merrill Lynch and BlackRock made presentations to and responded to questions from the Board. The directors also inquired about the plans for and anticipated roles and responsibilities of certain employees and officers of the Previous Investment Adviser, and of its affiliates, to be transferred to BlackRock in connection with the Transaction. The independent directors of the Board also conferred separately and with their counsel about the Transaction and other matters related to the Transaction on a number of occasions, including in connection with the April and May 2006 meetings. After the presentations and after reviewing the written materials provided, the independent directors met in executive sessions with

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their counsel to consider the BlackRock Investment Advisory Agreement.

In connection with the Board's review of the BlackRock Investment Advisory Agreement, Merrill Lynch and/or BlackRock advised the directors about a variety of matters. The advice included the following, among other matters:

- \* that there was not expected to be any diminution in the nature, quality and extent of services provided to the Fund and its shareholders by BlackRock Advisors, including compliance services;
- \* that operation of New BlackRock as an independent investment management firm would enhance its ability to attract and retain talented professionals;
- \* that the Fund was expected to benefit from having access to BlackRock's state of the art technology and risk management analytic tools, including investment tools, provided under the BlackRock Solutions (R) brand name;
- \* that BlackRock had no present intention to alter any applicable expense waivers or reimbursements that were currently in effect and, while it reserved the right to do so in the future, it would seek the approval of the Board before making any changes;
- \* that in connection with the Transaction, Merrill Lynch and BlackRock had agreed to conduct, and use reasonable best efforts to cause their respective affiliates to conduct, their respective businesses in compliance with the conditions of Section 15(f) of the Investment Company Act of 1940 (the "1940 Act") in relation to any public funds advised by BlackRock or the Previous Investment Adviser (or affiliates), respectively; and
- \* that Merrill Lynch and BlackRock would derive benefits from the Transaction and that, as a result, they had a financial interest in the matters being considered that was different from that of Fund shareholders.

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The directors considered the information provided by Merrill Lynch and BlackRock above, and, among other factors, the following:

- \* the potential benefits to Fund shareholders from being part of a combined fund family with BlackRock-sponsored funds, including possible economies of scale and access to investment opportunities;
- \* the reputation, financial strength and resources of BlackRock and its investment advisory subsidiaries and the anticipated financial strength and resources of New BlackRock;
- \* the compliance policies and procedures of BlackRock Advisors;
- \* the terms and conditions of the BlackRock Investment Advisory Agreement, including the fact that the schedule of the Fund's total advisory fees would not increase under the BlackRock Investment Advisory Agreement, but would remain the same;
- \* that in August 2005, the Board had performed a full annual review of the Previous Investment Advisory Agreement, as required by the 1940 Act, and

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had determined that the Previous Investment Adviser had the capabilities, resources and personnel necessary to provide the advisory and administrative services that were then being provided to the Fund; and that the advisory and/or management fees paid by the Fund, taking into account any applicable agreed-upon fee waivers and breakpoints, had represented reasonable compensation to the Previous Investment Adviser in light of the services provided, the costs to the Previous Investment Adviser of providing those services, economies of scale, the fees and other expenses paid by similar funds (including information provided by Lipper Inc. ["Lipper"]), and such other matters as the directors had considered relevant in the exercise of their reasonable judgment; and

- \* that Merrill Lynch had agreed to pay all expenses of the Fund in connection with the Board's consideration of the BlackRock Investment Advisory Agreement and related agreements and all costs of shareholder approval of the BlackRock Investment Advisory Agreement and as a result the Fund would bear no costs in obtaining shareholder approval of the BlackRock Investment Advisory Agreement.

Certain of these considerations are discussed in more detail below.

In its review of the BlackRock Investment Advisory Agreement, the Board assessed the nature, quality and scope of the services to be provided to the Fund by the personnel of BlackRock Advisors and its affiliates, including administrative services, shareholder services, oversight of fund accounting and assistance in meeting legal and regulatory requirements. In its review of the BlackRock Investment Advisory Agreement, the Board also considered a range of information in connection with its oversight of the services to be provided by BlackRock Advisors and its affiliates. Among the matters considered were: (a) fees (in addition to management fees) to be paid to BlackRock Advisors and its affiliates by the Fund; (b) Fund operating expenses paid to third parties; (c) the resources devoted to and compliance reports relating to the Fund's investment objective, policies and restrictions, and its compliance with its Code of Ethics and BlackRock Advisors' compliance policies and procedures; and (d) the nature, cost and character of non-investment management services to be provided by BlackRock Advisors and its affiliates.

In the period prior to the Board meeting to consider renewal of the Previous Investment Advisory Agreement, the Board had requested and received materials specifically relating to the Previous Investment Advisory Agreement. These materials included (a) information compiled by Lipper on the fees and expenses and the investment performance of the Fund as compared to a comparable group of funds as classified by Lipper; (b) information comparing the Fund's market price with its net asset value per share; (c) a discussion by the Fund's portfolio management team on investment strategies used by the Fund during its most recent fiscal year; (d) information on the profitability to the Previous Investment Adviser of the Previous Investment Advisory Agreement and other payments received by the Previous Investment Adviser and its affiliates from the Fund; and (e) information provided by the Previous Investment Adviser concerning services related to the valuation and pricing of Fund portfolio holdings, the Fund's portfolio turnover statistics, and direct and indirect benefits to the Previous Investment Adviser and its affiliates from their relationship with the Fund.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Disclosure of New Investment Advisory Agreement (continued)

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In their deliberations, the directors considered information received in connection with their most recent continuation of the Previous Investment Advisory Agreement, in addition to information provided by BlackRock and BlackRock Advisors in connection with their evaluation of the terms and conditions of the BlackRock Investment Advisory Agreement. The directors did not identify any particular information that was all-important or controlling, and each director attributed different weights to the various factors. The directors, including a majority of the independent directors, concluded that the terms of the BlackRock Investment Advisory Agreement are appropriate, that the fees to be paid are reasonable in light of the services to be provided to the Fund, and that the BlackRock Investment Advisory Agreement should be approved and recommended to Fund shareholders.

Nature, Quality and Extent of Services Provided--The Board reviewed the nature, quality and extent of services provided by the Previous Investment Adviser, including the investment advisory services and the resulting performance of the Fund, as well as the nature, quality and extent of services expected to be provided by BlackRock Advisors. The Board focused primarily on the Previous Investment Adviser's investment advisory services and the Fund's investment performance, but also considered certain areas in which both the Previous Investment Adviser and the Fund received services as part of the Merrill Lynch complex. The Board compared the Fund's performance - both including and excluding the effects of fees and expenses - to the performance of a comparable group of funds, and the performance of a relevant index or combination of indexes. While the Board reviews performance data at least quarterly, consistent with the Previous Investment Adviser's investment goals, the Board attaches more importance to performance over relatively long periods of time, typically three to five years.

In evaluating the nature, quality and extent of the services to be provided by BlackRock Advisors under the BlackRock Investment Advisory Agreement, the directors considered, among other things, the expected impact of the Transaction on the operations, facilities, organization and personnel of New BlackRock and how it would affect the Fund; the ability of BlackRock Advisors to perform its duties after the Transaction; and any anticipated changes to the current investment and other practices of the Fund. The directors considered BlackRock's advice as to proposed changes in portfolio management personnel of the Fund after the closing of the Transaction.

The directors were given information with respect to the potential benefits to the Fund and its shareholders from having access to BlackRock's state of the art technology and risk management analytic tools, including the investment tools provided under the BlackRock Solutions brand name.

The directors were advised that, as a result of Merrill Lynch's equity interest in BlackRock after the Transaction, the Fund would continue to be subject to restrictions concerning certain transactions involving Merrill Lynch affiliates (for example, transactions with a Merrill Lynch broker-dealer acting as principal) absent revised or new regulatory relief. The directors were advised that a revision of existing regulatory relief with respect to these restrictions was being sought from the Securities and Exchange Commission and were advised of the possibility of receipt of such revised regulatory relief.

Based on their review of the materials provided and the assurances they had received from the management of Merrill Lynch and of BlackRock, the directors determined that the nature and quality of services to be provided to the Fund under the BlackRock Investment Advisory Agreement were expected to be as good as or better than that provided under the Previous Investment Advisory Agreement. It was noted, however, that changes in personnel were expected to follow the Transaction and the combination of the operations of the Previous

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Investment Adviser and its affiliates with those of BlackRock. The directors noted that if portfolio managers or other personnel were to cease to be available prior to the closing of the Transaction, the Board would consider all available options, including seeking the investment advisory or other services of BlackRock affiliates. Accordingly, the directors concluded that, overall, they were satisfied at the present time with assurances from BlackRock and BlackRock Advisors as to the expected nature, quality and extent of the services to be provided to the Fund under the BlackRock Investment Advisory Agreement.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Costs of Services Provided and Profitability--It was noted that, in conjunction with the recent review of the Previous Investment Advisory Agreement, the directors had received, among other things, a report from Lipper comparing the Fund's fees and expenses to those of a peer group selected by Lipper, and information as to the fees charged by the Previous Investment Adviser or its affiliates to other registered investment company clients for investment management services. The Board reviewed the Fund's contractual management fee rate and actual management fee rate as a percentage of total assets at common asset levels - the actual rate includes advisory fees and the effects of any fee waivers - compared to the other funds in its Lipper category. They also compared the Fund's total expenses to those of other comparable funds. The information showed that the Fund had fees and expenses within the range of fees and expenses of comparable funds. The Board considered the services to be provided by and the fees to be charged by BlackRock Advisors to other funds with similar investment mandates and noted that the fees charged by BlackRock Advisors in those cases, including fee waivers and expense reimbursements, were generally comparable to those being charged to the Fund. The Board also noted that, as a general matter, according to the information provided by BlackRock, fees charged to institutional clients were lower than the fees charged to the Fund, but BlackRock Advisors provided less extensive services to such clients. The Board concluded that the Fund's management fee and fee rate and overall expense ratio are reasonable compared to those of other comparable funds.

In evaluating the costs of the services to be provided by BlackRock Advisors under the BlackRock Investment Advisory Agreement, the directors considered, among other things, whether advisory fees or other expenses would change as a result of the Transaction. Based on their review of the materials provided and the fact that the BlackRock Investment Advisory Agreement is substantially similar to the Previous Investment Advisory Agreement in all material respects, including the rate of compensation, the directors determined that the Transaction should not increase the total fees payable, including any fee waivers and expense reimbursements, for advisory and administrative services. The directors noted that it was not possible to predict how the Transaction would affect BlackRock Advisors' profitability from its relationship with the Fund.

The directors discussed with BlackRock Advisors its general methodology to be used in determining its profitability with respect to its relationship with the Fund. The directors noted that they expect to receive profitability information from BlackRock Advisors on at least an annual basis and thus be in a position to evaluate whether any adjustments in Fund fees and/or fee breakpoints would be appropriate.

Fees and Economies of Scale--The Board considered the extent to which economies of scale might be realized as the assets of the Fund increase and

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whether there should be changes in the management fee rate or structure in order to enable the Fund to participate in these economies of scale. The Board determined that changes were not currently necessary.

In reviewing the Transaction, the directors considered, among other things, whether advisory fees or other expenses would change as a result of the Transaction. Based on the fact that the BlackRock Investment Advisory Agreement is substantially similar to the Previous Investment Advisory Agreement in all material respects, including the rate of compensation, the directors determined that as a result of the Transaction, the Fund's total advisory fees would be no higher than the fees under the Previous Investment Advisory Agreement. The directors noted that in conjunction with their most recent deliberations concerning the Previous Investment Advisory Agreement, they had determined that the total fees for advisory and administrative services for the Fund were reasonable in light of the services provided. It was noted that in conjunction with the recent review of the Previous Investment Advisory Agreement, the directors had received, among other things, a report from Lipper comparing the Fund's fees, expenses and performance to those of a peer group selected by Lipper, and information as to the fees charged by the Previous Investment Adviser or its affiliates to other registered investment company clients for investment management services. The directors concluded that because the rates for advisory fees for the Fund would be no higher than the fee rates in effect at the time, the proposed management fee structure, including any fee waivers, was reasonable and that no additional changes were currently necessary.

Fall-Out Benefits--In evaluating the fall-out benefits to be received by BlackRock Advisors under the BlackRock Investment Advisory Agreement, the directors considered whether BlackRock Advisors would experience such benefits to the same extent that the Previous Investment Adviser was experiencing such benefits under the Previous Investment Advisory Agreement. Based on their review of the materials provided, including materials received in connection with their most recent continuance of the Previous Investment Advisory Agreement, and their discussions with management of the Previous Investment Adviser and BlackRock, the directors determined that BlackRock Advisors' fall-out benefits could include increased ability for BlackRock to distribute shares of its funds and other investment products. The directors noted that any fall-out benefits were difficult to quantify with certainty at this time, and indicated that they would continue to evaluate them going forward.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

Disclosure of New Investment Advisory Agreement (concluded)

Investment Performance--The directors considered investment performance for the Fund. The directors compared the Fund's performance - both including and excluding the effects of fees and expenses - to the performance of a comparable group of funds, and the performance of a relevant index or combination of indexes. The comparative information received from Lipper showed Fund performance at various levels within the range of performance of comparable funds over different time periods. While the Board reviews performance data at least quarterly, consistent with the Previous Investment Adviser's investment goals, the Board attaches more importance over relatively long periods of time, typically three to five years. The directors believed the Fund's performance was satisfactory. Also, the directors took into account the investment performance of funds advised by BlackRock Advisors. The Board considered comparative information from Lipper which showed that the



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performance of the funds advised by BlackRock Advisors was within the range of performance of comparable funds over different time periods. The Board also noted that, following the close of the Transaction, BlackRock Advisors intended to implement steps to seek to improve the investment performance of the Fund, including changes in the portfolio management personnel. The Board noted BlackRock's considerable investment management experience and capabilities, but was unable to predict what effect, if any, consummation of the Transaction would have on the future performance of the Fund.

Conclusion--After the independent directors of the Fund deliberated in executive session, the entire Board, including the independent directors, approved the BlackRock Investment Advisory Agreement, concluding that the advisory fee rate was reasonable in relation to the services provided and that the BlackRock Investment Advisory Agreement was in the best interests of the shareholders. In approving the BlackRock Investment Advisory Agreement, the Board noted that it anticipated reviewing the continuance of the agreement in advance of the expiration of the initial two-year period.

### New BlackRock Sub-Advisory Agreement--Matters Considered by the Board

At an in-person meeting held on August 14 - 16, 2006, the Board of Directors, including the independent directors, discussed and approved the sub-advisory agreement (the "BlackRock Sub-Advisory Agreement") between BlackRock Advisors and its affiliate, BlackRock Financial Management, Inc. (the "Sub-Adviser"). The BlackRock Sub-Advisory Agreement became effective on September 29, 2006, at the same time the BlackRock Investment Advisory Agreement became effective.

Pursuant to the BlackRock Sub-Advisory Agreement, the Sub-Adviser receives a monthly fee from BlackRock Advisors equal to 59% of the advisory fee received by BlackRock Advisors from the Fund. BlackRock Advisors pays the Sub-Adviser out of its own resources, and there is no increase in Fund expenses as a result of the BlackRock Sub-Advisory Agreement.

In approving the BlackRock Sub-Advisory Agreement at the August in-person meeting, the Board reviewed its considerations in connection with its approval of BlackRock Investment Advisory Agreement in May 2006. The Board relied on the same information and considered the same factors as those discussed above in connection with the approval of the BlackRock Investment Advisory Agreement, and came to the same conclusions. In reviewing the sub-advisory fee rate provided in the BlackRock Sub-Advisory Agreement, the Board noted the fact that both BlackRock Advisors and the Sub-Adviser have significant responsibilities under their respective advisory agreements. BlackRock Advisors remains responsible for oversight of the Fund's operations and administration, and the Sub-Adviser provides advisory services to the Fund and is responsible for the day-to-day management of the Fund's portfolio under the BlackRock Sub-Advisory Agreement. The Board also took into account the fact that there is no increase in total advisory fees paid by the Fund as a result of the BlackRock Sub-Advisory Agreement. Under all of the circumstances, the Board concluded that it was a reasonable allocation of fees for the Sub-Adviser to receive 59% of the advisory fee paid by the Fund to BlackRock Advisors.

After the independent directors deliberated in executive session, the entire Board, including the independent directors, approved the BlackRock Sub-Advisory Agreement, concluding that the sub-advisory fee was reasonable in relation to the services provided and that the Sub-Advisory Agreement was in the best interests of shareholders.

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### Proxy Results

During the six-month period ended August 31, 2006, BlackRock Senior High Income Portfolio, Inc.'s shareholders voted on the following proposals. Proposal 1, 2 and 3 were approved at a shareholders' meeting on August 15, 2006. A description of the proposals and number of shares voted were as follows:

	Shares Voted For	
1. To elect the Fund's Board of Directors:	Robert C. Doll, Jr.                    39,201,931 Ronald W. Forbes                        39,190,593 Cynthia A. Montgomery                39,191,372 Jean Margo Reid                         39,197,660 Roscoe S. Suddarth                    39,174,161 Richard R. West                         39,193,531 Edward D. Zinbarg                      39,190,243	
	Shares Voted For	Shares Voted Against
2. To approve a new investment advisory agreement.	28,301,283	1,055,169
3. To approve a contingent subadvisory agreement.	28,263,170	1,045,325

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

### Availability of Quarterly Schedule of Investments

The Fund files its complete schedule of portfolio holdings with the Securities and Exchange Commission ("SEC") for the first and third quarters of each fiscal year on Form N-Q. The Fund's Forms N-Q are available on the SEC's Web site at <http://www.sec.gov>. The Fund's Forms N-Q may also be reviewed and copied at the SEC's Public Reference Room in Washington, DC. Information on the operation of the Public Reference Room may be obtained by calling 1-800-SEC-0330.

### Electronic Delivery

Electronic copies of most financial reports and prospectuses are available on the Fund's Web site. Shareholders can sign up for e-mail notifications of quarterly statements, annual and semi-annual reports and prospectuses by enrolling in the Fund's electronic delivery program.

To enroll:

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Shareholders Who Hold Accounts with Investment Advisers, Banks or Brokerages:

Please contact your financial adviser. Please note that not all investment advisers, banks or brokerages may offer this service.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

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### BlackRock Privacy Principles

BlackRock is committed to maintaining the privacy of its current and former fund investors and individual clients (collectively, "Clients") and to safeguarding their nonpublic personal information. The following information is provided to help you understand what personal information BlackRock collects, how we protect that information and why in certain cases we share such information with select parties.

If you are located in a jurisdiction where specific laws, rules or regulations require BlackRock to provide you with additional or different privacy-related rights beyond what is set forth below, then BlackRock will comply with those specific laws, rules or regulations.

BlackRock obtains or verifies personal nonpublic information from and about you from different sources, including the following: (i) information we receive from you or, if applicable, your financial intermediary, on applications, forms or other documents; (ii) information about your transactions with us, our affiliates, or others; (iii) information we receive from a consumer reporting agency; and (iv) from visits to our Web sites.

BlackRock does not sell or disclose to nonaffiliated third parties any nonpublic personal information about its Clients, except as permitted by law or as is necessary to service Client accounts. These nonaffiliated third parties are required to protect the confidentiality and security of this information and to use it only for its intended purpose.

We may share information with our affiliates to service your account or to provide you with information about other BlackRock products or services that may be of interest to you. In addition, BlackRock restricts access to nonpublic personal information about its Clients to those BlackRock employees with a legitimate business need for the information. BlackRock maintains physical, electronic and procedural safeguards that are designed to protect the nonpublic personal information of its Clients, including procedures relating to the proper storage and disposal of such information.

BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC.

AUGUST 31, 2006

- Item 2 - Code of Ethics - Not Applicable to this semi-annual report
- Item 3 - Audit Committee Financial Expert - Not Applicable to this semi-annual report
- Item 4 - Principal Accountant Fees and Services - Not Applicable to this semi-annual report
- Item 5 - Audit Committee of Listed Registrants - Not Applicable to this semi-annual report

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- Item 6 - Schedule of Investments - Not Applicable
- Item 7 - Disclosure of Proxy Voting Policies and Procedures for Closed-End Management Investment Companies - Not Applicable to this semi-annual report
- Item 8 - Portfolio Managers of Closed-End Management Investment Companies - As of October 2, 2006

(a) (1) The Fund is managed by a team of investment professionals that is responsible for the day-to-day management of the Fund's portfolio. The lead members of this team are Mark J. Williams, Managing Director at BlackRock, and Kevin J. Booth, Managing Director at BlackRock. Mr. Williams and Mr. Booth each has been a portfolio manager of the Fund since 2006. Mr. Williams is responsible for setting the Fund's overall investment strategy and overseeing the management of the Fund as of October 2, 2006. Mr. Booth is responsible for the day-to-day management of the Fund's portfolio and the selection of its investments.

Mr. Williams is the head of BlackRock's bank loan group and a member of the Investment Strategy Group. His primary responsibility is originating and evaluating bank loan investments for the firm's collateralized bond obligations. He is also involved in the evaluation and sourcing of mezzanine investments. Prior to joining BlackRock in 1998, Mr. Williams spent eight years with PNC Bank's New York office and was a founding member of the bank's Leveraged Finance Group. In that capacity he was responsible for structuring proprietary middle market leveraged deals and sourcing and evaluating broadly syndicated leveraged loans in the primary and secondary markets for PNC Bank's investment portfolio. From 1984 until 1990, Mr. Williams worked in PNC Bank's Philadelphia office in a variety of marketing and corporate finance positions.

Mr. Booth is a member of BlackRock's bank loan group. He joined BlackRock in 2006. Prior to joining BlackRock, Mr. Booth was a Managing Director (Global Fixed Income) of Merrill Lynch Investment Managers, L.P. ("MLIM") since 2006 and a member of MLIM's bank loan group from 2000 to 2006. He was a Director of MLIM from 2000 to 2006 and was a Vice President of MLIM from 1994 to 2000. He has been portfolio manager with BlackRock or MLIM since 2000.

(a) (2) As of October 2, 2006:

(i) Name of Portfolio Manager	(ii) Number of Other Accounts Managed and Assets by Account Type			(iii) Number of Other Assets for Which Adviso Performance-Base	
	Other Registered Investment Companies	Other Pooled Investment Vehicles	Other Accounts	Other Registered Investment Companies	Other Inves Vehi
Kevin J. Booth	7 \$ 3,068,142,140	5 \$ 2,357,557,822	1 \$ 25,390,431	0 \$ 0	\$ 587,02
Mark Williams	9 \$ 4,211,864,169	17 \$ 6,368,469,951	7 \$1,222,718,181	0 \$ 0	\$ 2,908,13

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### (iv) Potential Material Conflicts of Interest

BlackRock has built a professional working environment, firm-wide compliance culture and compliance procedures and systems designed to protect against potential incentives that may favor one account over another. BlackRock has adopted policies and procedures that address the allocation of investment opportunities, execution of portfolio transactions, personal trading by employees and other potential conflicts of interest that are designed to ensure that all client accounts are treated equitably over time. Nevertheless, BlackRock furnishes investment management and advisory services to numerous clients in addition to the Fund, and BlackRock may, consistent with applicable law, make investment recommendations to other clients or accounts (including accounts which are hedge funds or have performance or higher fees paid to BlackRock, or in which portfolio managers have a personal interest in the receipt of such fees), which may be the same as or different from those made to the Fund. In addition, BlackRock, its affiliates and any officer, director, stockholder or employee may or may not have an interest in the securities whose purchase and sale BlackRock recommends to the Fund. BlackRock, or any of its affiliates, or any officer, director, stockholder, employee or any member of their families may take different actions than those recommended to the Fund by BlackRock with respect to the same securities. Moreover, BlackRock may refrain from rendering any advice or services concerning securities of companies of which any of BlackRock's (or its affiliates') officers, directors or employees are directors or officers, or companies as to which BlackRock or any of its affiliates or the officers, directors and employees of any of them has any substantial economic interest or possesses material non-public information. Each portfolio manager also may manage accounts whose investment strategies may at times be opposed to the strategy utilized for the Fund. In this connection, it should be noted that certain portfolio managers currently manage certain accounts that are subject to performance fees. In addition, certain portfolio managers assist in managing certain hedge funds and may be entitled to receive a portion of any incentive fees earned on such funds and a portion of such incentive fees may be voluntarily or involuntarily deferred. Additional portfolio managers may in the future manage other such accounts or funds and may be entitled to receive incentive fees.

As a fiduciary, BlackRock owes a duty of loyalty to its clients and must treat each client fairly. When BlackRock purchases or sells securities for more than one account, the trades must be allocated in a manner consistent with its fiduciary duties. BlackRock attempts to allocate investments in a fair and equitable manner among client accounts, with no account receiving preferential treatment. To this end, BlackRock has adopted a policy that is intended to ensure that investment opportunities are allocated fairly and equitably among client accounts over time. This policy also seeks to achieve reasonable efficiency in client transactions and provide BlackRock with sufficient flexibility to allocate investments in a manner that is consistent with the particular investment discipline and client base.

(a) (3) As of October 2, 2006:

With respect to Mr. Williams, the following compensation structure applies:

BlackRock Portfolio Manager Compensation

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BlackRock's financial arrangements with its portfolio managers, its competitive compensation and its career path emphasis at all levels reflect the value senior management places on key resources. Compensation may include a variety of components and may vary from year to year based on a number of factors. The principal components of compensation include a base salary, a discretionary bonus, participation in various benefits programs and one or more of the incentive compensation programs established by BlackRock such as its Long-Term Retention and Incentive Plan and Restricted Stock Program.

**Base compensation.** Generally, portfolio managers receive base compensation based on their seniority and/or their position with the firm.

**Discretionary compensation.** In addition to base compensation, portfolio managers may receive discretionary compensation, which can be a substantial portion of total compensation. Discretionary compensation can include a discretionary cash bonus as well as one or more of the following:

**Long-Term Retention and Incentive Plan ("LTIP")**--The LTIP is a long-term incentive plan that seeks to reward certain key employees. The plan provides for the grant of awards that are expressed as an amount of cash that, if properly vested and subject to the attainment of certain performance goals, will be settled in cash and/or in BlackRock, Inc. common stock.

**Deferred Compensation Program**--A portion of the compensation paid to each portfolio manager may be voluntarily deferred by the portfolio manager into an account that tracks the performance of certain of the firm's investment products. Each portfolio manager is permitted to allocate his deferred amounts among various options, including to certain of the firm's hedge funds and other unregistered products. In addition, prior to 2005, a portion of the annual compensation of certain senior managers was mandatorily deferred in a similar manner for a number of years. Beginning in 2005, a portion of the annual compensation of certain senior managers is paid in the form of BlackRock, Inc. restricted stock units which vest ratably over a number of years.

**Options and Restricted Stock Awards**--While incentive stock options are not currently being awarded to BlackRock employees, BlackRock, Inc. previously granted stock options to key employees, including certain portfolio managers who may still hold unexercised or unvested options. BlackRock, Inc. also has a restricted stock award program designed to reward certain key employees as an incentive to contribute to the long-term success of BlackRock. These awards vest over a period of years.

**Incentive Savings Plans**--The PNC Financial Services Group, Inc. has created a variety of incentive savings plans in which BlackRock employees are eligible to participate, including an Employee Stock Purchase Plan ("ESPP") and a 401(k) plan. The 401(k) plan may involve a company match of the employee's contribution of up to 6% of the employee's salary. The company match is made using BlackRock, Inc. common stock. The firm's 401(k) plan offers a range of investment options, including registered investment companies managed by the firm. Each portfolio manager is eligible to participate in these plans.

Annual incentive compensation for each portfolio manager is a function of several components: the performance of BlackRock, Inc.,

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the performance of the portfolio manager's group within BlackRock, the investment performance, including risk-adjusted returns, of the firm's assets under management or supervision by that portfolio manager relative to predetermined benchmarks, and the individual's teamwork and contribution to the overall performance of these portfolios and BlackRock. Unlike many other firms, portfolio managers at BlackRock compete against benchmarks rather than each other. In most cases, including for the portfolio managers of the Fund, these benchmarks are the same as the benchmark or benchmarks against which the performance of the Fund or other accounts are measured. A group of BlackRock, Inc.'s officers determines the benchmarks against which to compare the performance of funds and other accounts managed by each portfolio manager. With respect to Mr. Williams, such benchmarks will include the CSFB Leveraged Loan Index and CSFB High Yield II Value Index.

The group of BlackRock, Inc.'s officers then makes a subjective determination with respect to the portfolio manager's compensation based on the performance of the funds and other accounts managed by each portfolio manager relative to the various benchmarks. Senior portfolio managers who perform additional management functions within BlackRock may receive additional compensation for serving in these other capacities.

(a) (4) Beneficial Ownership of Securities. As of October 2, 2006, Mr. Williams does not beneficially own any stock issued by the Fund.

- Item 9 - Purchases of Equity Securities by Closed-End Management Investment Company and Affiliated Purchasers - Not Applicable
- Item 10 - Submission of Matters to a Vote of Security Holders - The registrant's Nominating Committee will consider nominees to the Board recommended by shareholders when a vacancy becomes available. Shareholders who wish to recommend a nominee should send nominations which include biographical information and sets forth the qualifications of the proposed nominee to the registrant's Secretary. There have been no material changes to these procedures.
- Item 11 - Controls and Procedures
  - 11(a) - The registrant's certifying officers have reasonably designed such disclosure controls and procedures to ensure material information relating to the registrant is made known to us by others particularly during the period in which this report is being prepared. The registrant's certifying officers have determined that the registrant's disclosure controls and procedures are effective based on our evaluation of these controls and procedures as of a date within 90 days prior to the filing date of this report.
  - 11(b) - There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the Act (17 CFR 270.30a-3(d)) that occurred during the last fiscal half-year of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.
- Item 12 - Exhibits attached hereto
  - 12(a) (1) - Code of Ethics - Not Applicable to this semi-annual report
  - 12(a) (2) - Certifications - Attached hereto

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12(a)(3) - Not Applicable

12(b) - Certifications - Attached hereto

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

BlackRock Senior High Income Fund, Inc.

By: /s/ Robert C. Doll, Jr.  
-----  
Robert C. Doll, Jr.,  
Chief Executive Officer of  
BlackRock Senior High Income Fund, Inc.

Date: October 19, 2006

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By: /s/ Robert C. Doll, Jr.  
-----  
Robert C. Doll, Jr.,  
Chief Executive Officer of  
BlackRock Senior High Income Fund, Inc.

Date: October 19, 2006

By: /s/ Donald C. Burke  
-----  
Donald C. Burke,  
Chief Financial Officer of  
BlackRock Senior High Income Fund, Inc.

Date: October 19, 2006