

BLACKROCK SENIOR HIGH INCOME FUND, INC.  
Form N-PX  
August 21, 2007

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

FORM N-PX

ANNUAL REPORT OF PROXY VOTING RECORD OF REGISTERED  
MANAGEMENT INVESTMENT COMPANY

Investment Company Act File Number 811-07456

Name of Fund: BlackRock Senior High Income Portfolio, 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 Portfolio, 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

Date of reporting period: 07/01/06 - 06/30/07

Item 1 - Proxy Voting Record

The information contained herein discloses the following information for each matter relating to a portfolio security considered at any shareholder meeting held during the period covered by the report and with respect to which the registrant was entitled to vote:

- (a) The name of the issuer of the portfolio security;
- (b) The exchange ticker symbol of the portfolio security;
- (c) The Council on Uniform Securities Identification Procedures ("CUSIP") number for the portfolio security;
- (d) The shareholder meeting date;
- (e) A brief identification of the matter voted on;
- (f) Whether the matter was proposed by the issuer or by a security holder;
- (g) Whether the registrant cast its vote on the matter;
- (h) How the registrant cast its vote; and
- (i) Whether the registrant cast its vote for or against management.

\*\*\*\*\* FORM N-Px REPORT \*\*\*\*\*

ICA File Number: 811-07456  
Reporting Period: 07/01/2006 - 06/30/2007

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BlackRock Senior High Income Portfolio, Inc.

===== BLACKROCK SENIOR HIGH INCOME PORTFOLIO, INC. =====

MEDIS TECHNOLOGIES LTD.

Ticker: MDTL Security ID: 58500P107  
Meeting Date: JUL 18, 2006 Meeting Type: Annual  
Record Date: JUN 2, 2006

#	Proposal	Mgt Rec	Vote Cast	Sponsor
1.1	Elect Director Robert K. Lifton	For	Withhold	Management
1.2	Elect Director Howard Weingrow	For	Withhold	Management
1.3	Elect Director Jacob S. Weiss	For	Withhold	Management
1.4	Elect Director Amos Eiran	For	For	Management
1.5	Elect Director Zeev Nahmoni	For	For	Management
1.6	Elect Director Jacob E. Goldman	For	For	Management
1.7	Elect Director Philip Weisser	For	For	Management
1.8	Elect Director Mitchell H. Freeman	For	For	Management
1.9	Elect Director Steve M. Barnett	For	For	Management
2	Increase Authorized Common Stock	For	For	Management
3	Amend Stock Option Plan	For	For	Management

===== END NPX REPORT

Pursuant to the requirements of 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.

By: /s/ Robert C. Doll, Jr.

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Robert C. Doll, Jr.  
Chief Executive Officer  
BlackRock Senior High Income Portfolio, Inc.

Date: August 15, 2007