

MFS INTERMEDIATE HIGH INCOME FUND  
Form N-Q  
April 26, 2010

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

**FORM N-Q**

**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF**  
**REGISTERED MANAGEMENT INVESTMENT COMPANIES**

Investment Company Act file number 811-5567

**MFS INTERMEDIATE HIGH INCOME FUND**

(Exact name of registrant as specified in charter)

**500 Boylston Street, Boston, Massachusetts 02116**

(Address of principal executive offices) (Zip code)

**Susan S. Newton**

**Massachusetts Financial Services Company**

**500 Boylston Street**

**Boston, Massachusetts 02116**

(Name and address of agents for service)

Registrant's telephone number, including area code: (617) 954-5000

Date of fiscal year end: November 30

Date of reporting period: February 28, 2010

**ITEM 1. SCHEDULE OF INVESTMENTS.**



**MFS Intermediate High Income Fund****PORTFOLIO OF INVESTMENTS (Unaudited) 2/28/10**

Issuer	Shares/Par	Value (\$)
<b>Bonds 123.1%</b>		
<b>Aerospace 1.3%</b>		
BE Aerospace, Inc., 8.5%, 2018	\$ 225,000	\$ 235,687
Hawker Beechcraft Acquisition Co. LLC, 8.5%, 2015	406,000	306,530
Spirit AeroSystems Holdings, Inc., 7.5%, 2017 (n)	240,000	237,600
		\$ 779,817
<b>Airlines 1.8%</b>		
American Airlines Pass-Through Trust, 7.377%, 2019	\$ 126,830	\$ 101,464
Continental Airlines, Inc., 7.339%, 2014	524,000	495,180
Delta Air Lines, Inc., 7.111%, 2013	150,000	151,500
Delta Air Lines, Inc., 7.711%, 2013	330,000	326,700
		\$ 1,074,844
<b>Apparel Manufacturers 1.2%</b>		
Broder Brothers Co., 11.25%, 2010	\$ 260,000	\$ 202,800
Hanesbrands, Inc., 8%, 2016	160,000	163,200
Hanesbrands, Inc., FRN, 3.83%, 2014	220,000	206,250
Levi Strauss & Co., 9.75%, 2015	105,000	109,462
		\$ 681,712
<b>Asset Backed &amp; Securitized 2.1%</b>		
Banc of America Commercial Mortgage, Inc., FRN, 5.811%, 2051	\$ 176,159	\$ 135,890
Banc of America Commercial Mortgage, Inc., FRN, 6.209%, 2051 (z)	450,000	116,954
Citigroup Commercial Mortgage Trust, FRN, 5.7%, 2049	275,000	53,515
Credit Suisse Mortgage Capital Certificate, 5.343%, 2039	197,320	151,464
JPMorgan Chase Commercial Mortgage Securities Corp., FRN, 5.746%, 2049	250,617	78,311
JPMorgan Chase Commercial Mortgage Securities Corp., FRN, 5.746%, 2049	404,598	118,596
JPMorgan Chase Commercial Mortgage Securities Corp., FRN, 5.746%, 2049	1,169,622	311,913
JPMorgan Chase Commercial Mortgage Securities Corp., FRN, 6.061%, 2051	155,000	49,699
Merrill Lynch Mortgage Trust, FRN, 5.826%, 2050	155,000	43,803
Merrill Lynch/Countrywide Commercial Mortgage Trust, FRN, 5.746%, 2050	125,000	85,316
Wachovia Bank Commercial Mortgage Trust, FRN, 5.692%, 2047	250,000	47,398
Wachovia Bank Commercial Mortgage Trust, FRN, 5.752%, 2047	175,000	28,988
		\$ 1,221,847
<b>Automotive 3.3%</b>		
Allison Transmission, Inc., 11%, 2015 (n)	\$ 270,000	\$ 280,125
Ford Motor Credit Co. LLC, 12%, 2015	1,110,000	1,267,980
Goodyear Tire & Rubber Co., 8.625%, 2011	107,000	111,012
Goodyear Tire & Rubber Co., 9%, 2015	194,000	200,062
Goodyear Tire & Rubber Co., 10.5%, 2016	65,000	70,037
		\$ 1,929,216
<b>Basic Industry 0.2%</b>		

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TriMas Corp., 9.75%, 2017 (n)	\$ 125,000	\$ 125,625
<b>Broadcasting 6.0%</b>		
Allbritton Communications Co., 7.75%, 2012	\$ 265,000	\$ 262,681
Bonten Media Acquisition Co., 9%, 2015 (p)(z)	153,982	50,442
Inmarsat Finance PLC, 7.375%, 2017 (n)	130,000	133,250
Intelsat Jackson Holdings Ltd., 9.5%, 2016	540,000	567,000
Lamar Media Corp., 6.625%, 2015	260,000	248,300
Lamar Media Corp., C, 6.625%, 2015	165,000	154,275
LBI Media, Inc., 8.5%, 2017 (z)	150,000	126,750
LIN TV Corp., 6.5%, 2013	355,000	336,362
Local TV Finance LLC, 10%, 2015 (p)(z)	463,050	253,906
Newport Television LLC, 13%, 2017 (n)(p)	352,468	181,815
Nexstar Broadcasting Group, Inc., 0.5% to 2011, 7% to 2014 (n)(p)	292,534	229,444
Nexstar Broadcasting Group, Inc., 7%, 2014	96,000	75,360
Salem Communications Corp., 9.625%, 2016 (n)	80,000	82,600
Sinclair Broadcast Group, Inc., 9.25%, 2017 (n)	125,000	129,688

**MFS Intermediate High Income Fund****PORTFOLIO OF INVESTMENTS (Unaudited) 2/28/10 - continued**

Issuer	Shares/Par	Value (\$)
<b>Bonds continued</b>		
<b>Broadcasting continued</b>		
Univision Communications, Inc., 12%, 2014 (n)	\$ 95,000	\$ 102,838
Univision Communications, Inc., 9.75%, 2015 (n)(p)	657,812	549,931
Young Broadcasting, Inc., 8.75%, 2014 (d)	120,000	840
		\$ 3,485,482
<b>Brokerage &amp; Asset Managers 0.8%</b>		
Janus Capital Group, Inc., 6.7%, 2017	\$ 275,000	\$ 271,275
Nuveen Investments, Inc., 10.5%, 2015	185,000	167,425
		\$ 438,700
<b>Building 2.9%</b>		
Associated Materials, Inc., 11.25%, 2014	\$ 270,000	\$ 267,300
Building Materials Holding Corp., 7%, 2020 (z)	155,000	155,000
CEMEX Finance Europe B.V., 9.625%, 2017 (n)	EUR 150,000	204,758
Nortek, Inc., 11%, 2013	\$ 381,688	400,772
Owens Corning, 9%, 2019	330,000	381,286
Ply Gem Industries, Inc., 11.75%, 2013	115,000	116,725
Ply Gem Industries, Inc., 13.125%, 2014 (z)	185,000	185,925
		\$ 1,711,766
<b>Business Services 3.3%</b>		
First Data Corp., 9.875%, 2015	\$ 610,000	\$ 527,650
First Data Corp., 11.25%, 2016	255,000	209,100
Iron Mountain, Inc., 6.625%, 2016	185,000	182,225
Iron Mountain, Inc., 8.375%, 2021	135,000	138,544
SunGard Data Systems, Inc., 9.125%, 2013	365,000	373,669
SunGard Data Systems, Inc., 10.25%, 2015	377,000	391,137
Terremark Worldwide, Inc., 12%, 2017 (n)	95,000	104,263
		\$ 1,926,588
<b>Cable TV 3.9%</b>		
Cablevision Systems Corp., 8%, 2012	\$ 325,000	\$ 342,469
Cablevision Systems Corp., 8.625%, 2017 (z)	70,000	72,100
CCO Holdings LLC, 8.75%, 2013	525,000	532,875
Charter Communications, Inc., 10.875%, 2014 (n)	260,000	289,575
CSC Holdings, Inc., 8.5%, 2014 (n)	255,000	268,069
Mediacom LLC, 9.125%, 2019 (n)	255,000	256,275
Videotron LTEE, 6.875%, 2014	110,000	110,412
Virgin Media Finance PLC, 8.75%, 2014	38,000	38,855
Virgin Media Finance PLC, 8.75%, 2014	EUR 33,628	47,163
Virgin Media Finance PLC, 9.125%, 2016	\$ 100,000	103,250
Virgin Media Finance PLC, 9.5%, 2016	200,000	212,000
		\$ 2,273,043

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**Chemicals 4.4%**

Ashland, Inc., 9.125%, 2017 (n)	\$	435,000	\$	476,325
Hexion Finance Escrow LLC, 8.875%, 2018 (n)		290,000		271,150
Hexion Specialty Chemicals, Inc., 9.75%, 2014		160,000		151,200
Huntsman International LLC, 6.875%, 2013 (n)	EUR	200,000		253,948
Huntsman International LLC, 5.5%, 2016 (n)	\$	125,000		110,000
Innophos Holdings, Inc., 8.875%, 2014		465,000		477,787
Lumena Resources Corp., 12%, 2014 (n)		152,000		129,250
Momentive Performance Materials, Inc., 12.5%, 2014 (n)		455,000		500,500
Momentive Performance Materials, Inc., 11.5%, 2016		109,000		88,699
Nalco Co., 8.875%, 2013		130,000		133,250

\$ 2,592,109

**Computer Software - Systems 0.5%**

DuPont Fabros Technology, Inc., 8.5%, 2017 (n)	\$	285,000	\$	289,275
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## MFS Intermediate High Income Fund

## PORTFOLIO OF INVESTMENTS (Unaudited) 2/28/10 - continued

Issuer	Shares/Par	Value (\$)
<b>Bonds continued</b>		
<b>Consumer Products 1.2%</b>		
ACCO Brands Corp., 10.625%, 2015 (n)	\$ 30,000	\$ 32,610
ACCO Brands Corp., 7.625%, 2015	80,000	73,400
Central Garden & Pet Co., 8.25%, 2018	150,000	151,313
Jarden Corp., 7.5%, 2017	215,000	216,075
Libbey Glass, Inc., 10%, 2015 (z)	115,000	119,025
Visant Holding Corp., 8.75%, 2013	125,000	126,875
		\$ 719,298
<b>Consumer Services 2.7%</b>		
Corrections Corp. of America, 7.75%, 2017	\$ 50,000	\$ 51,250
KAR Holdings, Inc., 10%, 2015	340,000	354,450
KAR Holdings, Inc., FRN, 4.248%, 2014	100,000	92,500
Service Corp. International, 7.375%, 2014	50,000	50,875
Service Corp. International, 7%, 2017	785,000	769,300
Ticketmaster Entertainment, Inc., 10.75%, 2016	215,000	236,500
		\$ 1,554,875
<b>Containers 1.9%</b>		
Crown Americas LLC, 7.625%, 2013	\$ 86,000	\$ 88,580
Graham Packaging Holdings Co., 9.875%, 2014	400,000	408,000
Greif, Inc., 6.75%, 2017	350,000	344,750
Owens-Brockway Glass Container, Inc., 8.25%, 2013	65,000	65,975
Owens-Illinois, Inc., 7.375%, 2016	95,000	98,088
Reynolds Group, 7.75%, 2016 (n)	105,000	106,313
		\$ 1,111,706
<b>Defense Electronics 0.5%</b>		
L-3 Communications Corp., 6.375%, 2015	\$ 310,000	\$ 315,037
<b>Electronics 1.2%</b>		
Flextronics International Ltd., 6.25%, 2014	\$ 144,000	\$ 143,640
Freescale Semiconductor, Inc., 8.875%, 2014	325,000	288,437
Freescale Semiconductor, Inc., 10.125%, 2018 (z)	105,000	106,050
Jabil Circuit, Inc., 7.75%, 2016	160,000	165,600
		\$ 703,727
<b>Energy - Independent 7.3%</b>		
Berry Petroleum Co., 10.25%, 2014	\$ 150,000	\$ 163,125
Chaparral Energy, Inc., 8.875%, 2017	220,000	179,850
Chesapeake Energy Corp., 7%, 2014	114,000	114,000
Chesapeake Energy Corp., 9.5%, 2015	90,000	97,875
Chesapeake Energy Corp., 6.375%, 2015	230,000	222,525
Forest Oil Corp., 8.5%, 2014	60,000	61,950
Forest Oil Corp., 7.25%, 2019	165,000	161,700
Hilcorp Energy I LP, 9%, 2016 (n)	280,000	283,500



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Mariner Energy, Inc., 8%, 2017	300,000	286,500
McMoRan Exploration Co., 11.875%, 2014	130,000	139,100
Newfield Exploration Co., 6.625%, 2014	155,000	157,325
OPTI Canada, Inc., 8.25%, 2014	205,000	182,450
Penn Virginia Corp., 10.375%, 2016	280,000	302,400
Petrohawk Energy Corp., 10.5%, 2014	140,000	151,900
Pioneer Natural Resources Co., 6.875%, 2018	175,000	172,114
Pioneer Natural Resources Co., 7.5%, 2020	200,000	200,760
Plains Exploration & Production Co., 7%, 2017	350,000	342,125
Quicksilver Resources, Inc., 8.25%, 2015	285,000	287,850
Range Resources Corp., 8%, 2019	170,000	178,075
SandRidge Energy, Inc., 9.875%, 2016 (n)	75,000	77,438
SandRidge Energy, Inc., 8%, 2018 (n)	320,000	306,400

**MFS Intermediate High Income Fund**

**PORTFOLIO OF INVESTMENTS (Unaudited) 2/28/10 - continued**

Issuer	Shares/Par	Value (\$)
<b>Bonds continued</b>		
<b>Energy - Independent continued</b>		
Southwestern Energy Co., 7.5%, 2018	\$ 175,000	\$ 184,625
		\$ 4,253,587
<b>Entertainment 1.7%</b>		
AMC Entertainment, Inc., 11%, 2016	\$ 325,000	\$ 348,562