

MFS INTERMEDIATE HIGH INCOME FUND
Form N-Q
April 25, 2011

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 811-05567

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, 2011

ITEM 1. SCHEDULE OF INVESTMENTS.

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MFS Intermediate High Income Fund

PORTFOLIO OF INVESTMENTS (unaudited) 2/28/11

| Issuer | Shares/Par | Value (\$) |
|--|------------|--------------|
| Bonds 124.4% | | |
| Aerospace 2.1% | | |
| Alliant Techsystems, Inc., 6.875%, 2020 | \$ 115,000 | \$ 118,881 |
| BE Aerospace, Inc., 8.5%, 2018 | 315,000 | 348,075 |
| Bombardier, Inc., 7.5%, 2018 (n) | 405,000 | 435,375 |
| Hawker Beechcraft Acquisition Co. LLC, 8.5%, 2015 | 406,000 | 325,815 |
| Oshkosh Corp., 8.25%, 2017 | 110,000 | 122,100 |
| | | \$ 1,350,246 |
| Apparel Manufacturers 1.2% | | |
| Hanesbrands, Inc., 8%, 2016 | \$ 245,000 | \$ 265,213 |
| Hanesbrands, Inc., 6.375%, 2020 | 110,000 | 106,095 |
| Hanesbrands, Inc., FRN, 3.831%, 2014 | 220,000 | 220,000 |
| Phillips-Van Heusen Corp., 7.375%, 2020 | 185,000 | 197,025 |
| | | \$ 788,333 |
| Asset-Backed & Securitized 3.1% | | |
| Banc of America Commercial Mortgage, Inc., FRN, 6.248%, 2051 (z) | \$ 450,000 | \$ 241,357 |
| Citigroup Commercial Mortgage Trust, FRN, 5.698%, 2049 | 275,000 | 142,047 |
| G-Force LLC, CDO, A2, 4.83%, 2036 (z) | 128,653 | 127,688 |
| JPMorgan Chase Commercial Mortgage Securities Corp., FRN, 5.744%, 2049 | 250,617 | 170,270 |
| JPMorgan Chase Commercial Mortgage Securities Corp., FRN, 5.744%, 2049 | 404,598 | 243,711 |
| JPMorgan Chase Commercial Mortgage Securities Corp., FRN, 5.744%, 2049 | 1,169,622 | 563,928 |
| JPMorgan Chase Commercial Mortgage Securities Corp., FRN, 6.06%, 2051 | 155,000 | 118,752 |
| Merrill Lynch Mortgage Trust, B, FRN, 5.826%, 2050 | 155,000 | 95,419 |
| Merrill Lynch/Countrywide Commercial Mortgage Trust, FRN, 5.743%, 2050 | 125,000 | 116,985 |
| Wachovia Bank Commercial Mortgage Trust, FRN, 5.686%, 2047 | 250,000 | 128,860 |
| Wachovia Bank Commercial Mortgage Trust, FRN, 5.746%, 2047 | 175,000 | 73,527 |
| | | \$ 2,022,544 |
| Automotive 3.8% | | |
| Accuride Corp., 9.5%, 2018 | \$ 225,000 | \$ 250,875 |
| Allison Transmission, Inc., 11%, 2015 (n) | 315,000 | 342,561 |
| Ford Motor Credit Co. LLC, 8%, 2014 | 125,000 | 139,802 |
| Ford Motor Credit Co. LLC, 12%, 2015 | 1,110,000 | 1,401,788 |
| General Motors Corp., 7.125%, 2013 (d) | 372,000 | 118,110 |
| Goodyear Tire & Rubber Co., 10.5%, 2016 | 165,000 | 188,100 |
| UCI International, Inc., 8.625%, 2019 (z) | 60,000 | 63,900 |
| | | \$ 2,505,136 |
| Basic Industry 0.4% | | |
| Trimas Corp., 9.75%, 2017 | \$ 215,000 | \$ 238,650 |
| Broadcasting 6.0% | | |
| Allbritton Communications Co., 8%, 2018 | \$ 255,000 | \$ 267,111 |
| Citadel Broadcasting Corp., 7.75%, 2018 (z) | 40,000 | 42,900 |
| Entravision Communications Corp., 8.75%, 2017 | 65,000 | 70,200 |

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| | | |
|--|---------|---------|
| Gray Television, Inc., 10.5%, 2015 | 50,000 | 53,125 |
| Inmarsat Finance PLC, 7.375%, 2017 (n) | 330,000 | 354,750 |
| Intelsat Bermuda Ltd., 11.25%, 2017 | 165,000 | 182,531 |
| Intelsat Jackson Holdings Ltd., 9.5%, 2016 | 695,000 | 734,963 |
| Lamar Media Corp., 6.625%, 2015 | 260,000 | 266,500 |
| Lamar Media Corp., C , 6.625%, 2015 | 165,000 | 168,713 |
| LBI Media, Inc., 8.5%, 2017 (z) | 150,000 | 125,438 |
| Local TV Finance LLC, 9.25%, 2015 (p)(z) | 268,809 | 260,745 |
| Newport Television LLC, 13%, 2017 (n)(p) | 142,054 | 134,359 |
| Nexstar Broadcasting, Inc., 0.5% to 2011, 7% to 2014 (p) | 293,998 | 285,178 |
| Nexstar Broadcasting, Inc., 7%, 2014 | 96,000 | 93,600 |
| Salem Communications Corp., 9.625%, 2016 | 38,000 | 41,705 |

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MFS Intermediate High Income Fund

PORTFOLIO OF INVESTMENTS (unaudited) 2/28/11 - continued

| Issuer | Shares/Par | Value (\$) |
|---|------------|--------------|
| Bonds continued | | |
| Broadcasting continued | | |
| Sinclair Broadcast Group, Inc., 9.25%, 2017 (n) | \$ 125,000 | \$ 141,250 |
| Sinclair Broadcast Group, Inc., 8.375%, 2018 (n) | 40,000 | 42,300 |
| SIRIUS XM Radio, Inc., 13%, 2013 (z) | 110,000 | 131,175 |
| SIRIUS XM Radio, Inc., 8.75%, 2015 (n) | 220,000 | 243,925 |
| SIRIUS XM Radio, Inc., 7.625%, 2018 (n) | 125,000 | 132,500 |
| Univision Communications, Inc., 12%, 2014 (n) | 41,000 | 44,690 |
| Univision Communications, Inc., 7.875%, 2020 (n) | 90,000 | 96,525 |
| Young Broadcasting, Inc., 8.75%, 2014 (d) | 120,000 | 0 |
| | | \$ 3,914,183 |
| Brokerage & Asset Managers 1.2% | | |
| E*TRADE Financial Corp., 7.875%, 2015 | \$ 260,000 | \$ 261,300 |
| E*TRADE Financial Corp., 12.5%, 2017 | 160,000 | 189,600 |
| Janus Capital Group, Inc., 6.95%, 2017 | 275,000 | 301,318 |
| | | \$ 752,218 |
| Building 2.3% | | |
| Building Materials Holding Corp., 6.875%, 2018 (n) | \$ 165,000 | \$ 169,125 |
| Building Materials Holding Corp., 7%, 2020 (n) | 115,000 | 121,181 |
| CEMEX S.A., 9.25%, 2020 | 375,000 | 386,250 |
| Nortek, Inc., 11%, 2013 | 166,688 | 177,523 |
| Nortek, Inc., 10%, 2018 (n) | 120,000 | 128,100 |
| Owens Corning, 9%, 2019 | 220,000 | 260,343 |
| Ply Gem Industries, Inc., 13.125%, 2014 | 185,000 | 203,038 |
| Ply Gem Industries, Inc., 8.25%, 2018 (z) | 80,000 | 81,900 |
| | | \$ 1,527,460 |
| Business Services 2.4% | | |
| First Data Corp., 9.875%, 2015 | \$ 205,000 | \$ 207,050 |
| Interactive Data Corp., 10.25%, 2018 (n) | 375,000 | 420,000 |
| Iron Mountain, Inc., 6.625%, 2016 | 185,000 | 185,925 |
| Iron Mountain, Inc., 8.375%, 2021 | 135,000 | 149,344 |
| SunGard Data Systems, Inc., 10.25%, 2015 | 377,000 | 397,264 |
| SunGard Data Systems, Inc., 7.375%, 2018 (n) | 100,000 | 103,250 |
| SunGard Data Systems, Inc., 7.625%, 2020 (n) | 105,000 | 108,413 |
| | | \$ 1,571,246 |
| Cable TV 5.0% | | |
| Bresnan Broadband Holdings LLC, 8%, 2018 (z) | \$ 60,000 | \$ 63,000 |
| Cablevision Systems Corp., 8.625%, 2017 | 375,000 | 420,000 |
| CCH II LLC, 13.5%, 2016 | 285,000 | 345,206 |
| CCO Holdings LLC, 7.875%, 2018 | 355,000 | 378,961 |
| CCO Holdings LLC, 8.125%, 2020 | 135,000 | 145,631 |
| Cequel Communications Holdings, 8.625%, 2017 (z) | 80,000 | 84,600 |
| Charter Communications Operating LLC, 10.875%, 2014 (n) | 120,000 | 134,850 |

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| | | |
|--|---------|--------------|
| CSC Holdings LLC, 8.5%, 2014 | 255,000 | 285,600 |
| CSC Holdings LLC, 8.5%, 2015 | 90,000 | 98,550 |
| Insight Communications Co., Inc., 9.375%, 2018 (n) | 200,000 | 220,500 |
| Mediacom LLC, 9.125%, 2019 | 255,000 | 270,938 |
| ONO Finance II PLC, 10.875%, 2019 (z) | 150,000 | 161,250 |
| UPCB Finance III Ltd., 6.625%, 2020 (z) | 204,000 | 203,235 |
| Videotron LTEE, 6.875%, 2014 | 110,000 | 111,511 |
| Virgin Media Finance PLC, 9.125%, 2016 | 100,000 | 106,750 |
| Virgin Media Finance PLC, 9.5%, 2016 | 200,000 | 230,750 |
| | | \$ 3,261,332 |

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MFS Intermediate High Income Fund

PORTFOLIO OF INVESTMENTS (unaudited) 2/28/11 - continued

| Issuer | Shares/Par | Value (\$) |
|---|-------------|--------------|
| Bonds continued | | |
| Chemicals 5.7% | | |
| Ashland, Inc., 9.125%, 2017 | \$ 300,000 | \$ 348,935 |
| Celanese U.S. Holdings LLC, 6.625%, 2018 (n) | 135,000 | 141,075 |
| Hexion U.S. Finance Corp/Hexion Nova Scotia Finance, 8.875%, 2018 | 365,000 | 391,919 |
| Hexion U.S. Finance Corp/Hexion Nova Scotia Finance, 9%, 2020 (n) | 60,000 | 63,825 |
| Huntsman International LLC, 6.875%, 2013 (n) | EUR 200,000 | 282,200 |
| Huntsman International LLC, 8.625%, 2021 (n) | \$ 285,000 | 316,350 |
| Lyondell Chemical Co., 8%, 2017 (n) | 100,000 | 112,563 |
| Lyondell Chemical Co., 11%, 2018 | 775,539 | 889,931 |
| Momentive Performance Materials, Inc., 12.5%, 2014 | 455,000 | 507,894 |
| Momentive Performance Materials, Inc., 11.5%, 2016 | 239,000 | 259,315 |
| Momentive Performance Materials, Inc., 9%, 2021 (n) | 125,000 | 132,969 |
| Polypore International, Inc., 7.5%, 2017 (z) | 55,000 | 56,925 |
| Solutia, Inc., 7.875%, 2020 | 185,000 | 203,500 |
| | | \$ 3,707,401 |
| Computer Software 0.2% | | |
| Syniverse Holdings, Inc., 9.125%, 2019 (z) | \$ 135,000 | \$ 145,800 |
| Computer Software - Systems 0.6% | | |
| DuPont Fabros Technology, Inc., REIT, 8.5%, 2017 | \$ 350,000 | \$ 385,875 |
| Conglomerates 0.6% | | |
| Amsted Industries, Inc., 8.125%, 2018 (n) | \$ 180,000 | \$ 193,500 |
| Pinafore LLC, 9%, 2018 (n) | 185,000 | 205,813 |
| | | \$ 399,313 |
| Consumer Products 1.8% | | |
| ACCO Brands Corp., 10.625%, 2015 | \$ 30,000 | \$ 33,900 |
| ACCO Brands Corp., 7.625%, 2015 | 80,000 | 81,500 |
| Central Garden & Pet Co., 8.25%, 2018 | 150,000 | 157,686 |
| Easton-Bell Sports, Inc., 9.75%, 2016 | 145,000 | 163,125 |
| Elizabeth Arden, Inc., 7.375%, 2021 (z) | 120,000 | 126,000 |
| Jarden Corp., 7.5%, 2017 | 180,000 | 191,475 |
| Libbey Glass, Inc., 10%, 2015 | 131,000 | 143,118 |
| NBTY, Inc., 9%, 2018 (n) | 30,000 | 32,550 |
| Visant Corp., 10%, 2017 | 215,000 | 232,736 |
| | | \$ 1,162,090 |
| Consumer Services 2.2% | | |
| KAR Holdings, Inc., 10%, 2015 | \$ 121,000 | \$ 128,260 |
| KAR Holdings, Inc., FRN, 4.304%, 2014 | 100,000 | 98,750 |
| Realogy Corp., 10.5%, 2014 | 85,000 | 88,400 |
| Service Corp. International, 6.75%, 2015 | 25,000 | 26,438 |
| Service Corp. International, 7%, 2017 | 785,000 | 836,025 |
| Ticketmaster Entertainment, Inc., 10.75%, 2016 | 215,000 | 235,963 |

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\$ 1,413,836

Containers 2.3%

| | | |
|---|------------|------------|
| Graham Packaging Co. LP/GPC Capital Corp., 9.875%, 2014 | \$ 400,000 | \$ 414,000 |
| Graham Packaging Co. LP/GPC Capital Corp., 8.25%, 2018 | 40,000 | 43,100 |
| Greif, Inc., 6.75%, 2017 | 350,000 | 371,000 |
| Owens-Illinois, Inc., 7.375%, 2016 | 110,000 | 119,900 |
| Packaging Dynamics Corp., 8.75%, 2016 (z) | 65,000 | 66,544 |
| Reynolds Group, 7.75%, 2016 (n) | 105,000 | 111,825 |
| Reynolds Group, 7.125%, 2019 (n) | 130,000 | 133,250 |
| Reynolds Group, 9%, 2019 (z) | 100,000 | 104,250 |
| Reynolds Group, 8.25%, 2021 (z) | 105,000 | 105,263 |

\$ 1,469,132

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MFS Intermediate High Income Fund

PORTFOLIO OF INVESTMENTS (unaudited) 2/28/11 - continued

| Issuer | Shares/Par | Value (\$) |
|---|------------|--------------|
| Bonds continued | | |
| Defense Electronics 0.3% | | |
| ManTech International Corp., 7.25%, 2018 | \$ 120,000 | \$ 125,400 |
| MOOG, Inc., 7.25%, 2018 | 90,000 | 94,728 |
| | | \$ 220,128 |
| Electronics 1.2% | | |
| CPI International Acquisition, Inc., 8%, 2018 (z) | \$ 70,000 | \$ 70,525 |
| Freescale Semiconductor, Inc., 10.125%, 2018 (n) | 150,000 | 171,750 |
| Freescale Semiconductor, Inc., 9.25%, 2018 (n) | 160,000 | 178,400 |
| Jabil Circuit, Inc., 7.75%, 2016 | 160,000 | 181,200 |
| NXP B.V., 7.875%, 2014 | 165,000 | 172,219 |
| | | \$ 774,094 |
| Energy - Independent 7.9% | | |
| Berry Petroleum Co., 10.25%, 2014 | \$ 150,000 | \$ 174,000 |
| Bill Barrett Corp., 9.875%, 2016 | 85,000 | 95,200 |
| Carrizo Oil & Gas, Inc., 8.625%, 2018 (n) | 205,000 | 217,812 |
| Chesapeake Energy Corp., 6.875%, 2020 | 135,000 | 143,775 |
| Comstock Resources, Inc., 7.75%, 2019 | 95,000 | 95,000 |
| Concho Resources, Inc., 8.625%, 2017 | 45,000 | 49,613 |
| Denbury Resources, Inc., 8.25%, 2020 | 170,000 | 189,125 |
| Energy XXI Gulf Coast, Inc., 9.25%, 2017 (n) | 205,000 | 220,375 |
| EXCO Resources, Inc., 7.5%, 2018 | 125,000 | 124,063 |
| Harvest Operations Corp., 6.875%, 2017 (n) | 180,000 | 187,200 |
| Hilcorp Energy I LP, 9%, 2016 (n) | 280,000 | 294,000 |
| Linn Energy LLC, 8.625%, 2020 (n) | 20,000 | 22,300 |
| Linn Energy LLC, 7.75%, 2021 (n) | 174,000 | 184,875 |
| Newfield Exploration Co., 6.625%, 2014 | 155,000 | 158,488 |
| Newfield Exploration Co., 6.625%, 2016 | 90,000 | 92,925 |
| OPTI Canada, Inc., 9.75%, 2013 (n) | 135,000 | 132,975 |
| OPTI Canada, Inc., 8.25%, 2014 | 470,000 | 256,150 |
| Penn Virginia Corp., 10.375%, 2016 | 285,000 | 319,913 |
| Pioneer Natural Resources Co., 6.875%, 2018 | 175,000 | 189,994 |
| Pioneer Natural Resources Co., 7.5%, 2020 | 200,000 | 224,559 |
| Plains Exploration & Production Co., 7%, 2017 | 565,000 | 589,013 |
| QEP Resources, Inc., 6.875%, 2021 | 185,000 | 193,788 |
| Quicksilver Resources, Inc., 8.25%, 2015 | 230,000 | 237,475 |
| Quicksilver Resources, Inc., 9.125%, 2019 | 165,000 | 174,900 |
| Range Resources Corp., 8%, 2019 | 115,000 | 126,644 |
| SandRidge Energy, Inc., 8%, 2018 (n) | 290,000 | 303,775 |
| Williams Cos., Inc., 7.75%, 2031 | 159,000 | 189,273 |
| | | \$ 5,187,210 |
| Entertainment 1.4% | | |
| AMC Entertainment, Inc., 8.75%, 2019 | \$ 250,000 | \$ 268,436 |
| AMC Entertainment, Inc., 9.75%, 2020 (z) | 125,000 | 134,061 |
| Cinemark USA, Inc., 8.625%, 2019 | 380,000 | 414,200 |
| NAI Entertainment Holdings LLC, 8.25%, 2017 (z) | 90,000 | 96,750 |

\$ 913,447

Financial Institutions 6.3%

| | | |
|--|-----------|-----------|
| American General Finance Corp., 5.375%, 2012 | \$ 85,000 | \$ 83,619 |
| American General Finance Corp., 6.9%, 2017 | 205,000 | 183,986 |
| CIT Group, Inc., 7%, 2014 | 215,000 | 219,166 |
| CIT Group, Inc., 7%, 2016 | 420,000 | 423,675 |
| CIT Group, Inc., 7%, 2017 | 1,225,000 | 1,234,185 |
| Credit Acceptance Corp., 9.125%, 2017 | 135,000 | 145,463 |

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MFS Intermediate High Income Fund

PORTFOLIO OF INVESTMENTS (unaudited) 2/28/11 - continued

| Issuer | Shares/Par | Value (\$) |
|---|-------------|--------------|
| Bonds continued | | |
| Financial Institutions continued | | |
| Credit Acceptance Corp., 9.125%, 2017 (z) | \$ 55,000 | \$ 58,300 |
| General Electric Capital Corp., 6.375% to 2017, FRN to 2067 | 194,000 | 198,608 |
| GMAC, Inc., 8%, 2031 | 225,000 | 257,625 |
| International Lease Finance Corp., 8.75%, 2017 (n) | 300,000 | 342,750 |
| International Lease Finance Corp., 7.125%, 2018 (n) | 246,000 | 268,448 |
| International Lease Finance Corp., 8.25%, 2020 | 60,000 | 66,750 |
| Nationstar Mortgage LLC, 10.875%, 2015 (z) | 250,000 | 257,500 |
| SLM Corp., 8%, 2020 | 325,000 | 344,906 |
| | | \$ 4,084,981 |
| Food & Beverages 3.0% | | |
| ARAMARK Corp., 8.5%, 2015 | \$ 430,000 | \$ 449,350 |
| B&G Foods, Inc., 7.625%, 2018 | 125,000 | 133,436 |
| CEDC Finance Corp. International, Inc., 9.125%, 2016 (n) | 210,000 | 227,325 |
| Constellation Brands, Inc., 7.25%, 2016 | 180,000 | 193,500 |
| Del Monte Foods Co., 6.75%, 2015 | 335,000 | 340,025 |
| Pinnacle Foods Finance LLC, 9.25%, 2015 | 330,000 | 344,025 |
| Pinnacle Foods Finance LLC, 10.625%, 2017 | 65,000 | 69,713 |
| TreeHouse Foods, Inc., 7.75%, 2018 | 215,000 | 232,738 |
| | | \$ 1,990,112 |
| Forest & Paper Products 2.2% | | |
| Boise, Inc., 8%, 2020 | \$ 225,000 | \$ 248,061 |
| Cascades, Inc., 7.75%, 2017 | 205,000 | 214,481 |
| Georgia-Pacific Corp., 7.125%, 2017 (n) | 190,000 | 201,875 |
| Georgia-Pacific Corp., 8%, 2024 | 85,000 | 97,431 |
| Georgia-Pacific Corp., 7.25%, 2028 | 55,000 | 58,025 |
| Graphic Packaging Holding Co., 7.875%, 2018 | 125,000 | 134,375 |
| JSG Funding PLC, 7.75%, 2015 | 10,000 | 10,250 |
| Millar Western Forest Products Ltd., 7.75%, 2013 | 205,000 | 201,413 |
| Sappi Papier Holding GmbH, 6.75%, 2012 (n) | 90,000 | 93,825 |
| Smurfit Kappa Group PLC, 7.75%, 2019 (n) | EUR 120,000 | 177,186 |
| | | \$ 1,436,922 |
| Gaming & Lodging 6.8% | | |
| Ameristar Casinos, Inc., 9.25%, 2014 | \$ 130,000 | \$ 139,750 |
| Circus & Eldorado Joint Venture, 10.125%, 2012 | 300,000 | 294,000 |
| Firekeepers Development Authority, 13.875%, 2015 (n) | 335,000 | 399,069 |
| Fontainebleau Las Vegas Holdings LLC, 10.25%, 2015 (d)(n) | 695,000 | 3,475 |
| Gaylord Entertainment Co., 6.75%, 2014 | 340,000 | 345,100 |
| GWR Operating Partnership LLP, 10.875%, 2017 | 220,000 | 237,050 |
| Harrah's Operating Co., Inc., 11.25%, 2017 | 370,000 | 419,950 |
| Harrah's Operating Co., Inc., 10%, 2018 | 164,000 | 154,160 |
| Harrah's Operating Co., Inc., 10%, 2018 | 425,000 | 399,500 |
| Host Hotels & Resorts, Inc., 6.75%, 2016 | 195,000 | 202,313 |
| Host Hotels & Resorts, Inc., 9%, 2017 | 380,000 | 426,550 |
| MGM Mirage, 10.375%, 2014 | 40,000 | 44,800 |

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|--|---------|---------|
| MGM Mirage, 11.125%, 2017 | 205,000 | 236,263 |
| MGM Mirage, 9%, 2020 (n) | 170,000 | 185,725 |
| MGM Resorts International, 11.375%, 2018 | 110,000 | 124,850 |
| Penn National Gaming, Inc., 8.75%, 2019 | 185,000 | 206,275 |
| Starwood Hotels & Resorts Worldwide, Inc., 6.75%, 2018 | 100,000 | 108,250 |
| Station Casinos, Inc., 6.875%, 2016 (d) | 715,000 | 72 |
| Station Casinos, Inc., 6.625%, 2018 (d) | 875,000 | 88 |
| Wyndham Worldwide Corp., 6%, 2016 | 170,000 | 181,020 |
| Wyndham Worldwide Corp., 7.375%, 2020 | 170,000 | 188,183 |

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MFS Intermediate High Income Fund

PORTFOLIO OF INVESTMENTS (unaudited) 2/28/11 - continued

| Issuer | Shares/Par | Value (\$) |
|---|-------------|--------------|
| Bonds continued | | |
| Gaming & Lodging continued | | |
| Wynn Las Vegas LLC, 7.75%, 2020 | \$ 110,000 | \$ 116,325 |
| | | \$ 4,412,768 |
| Industrial 1.1% | | |
| Altra Holdings, Inc., 8.125%, 2016 | \$ 115,000 | \$ 122,761 |
| Diversey, Inc., 8.25%, 2019 | 160,000 | 174,200 |
| Hillman Group, Inc., 10.875%, 2018 | 140,000 | 154,000 |
| Mueller Water Products, Inc., 7.375%, 2017 | 125,000 | 121,875 |
| Mueller Water Products, Inc., 8.75%, 2020 | 107,000 | 118,503 |
| | | \$ 691,339 |
| Insurance 2.4% | | |
| American International Group, Inc., 8.175% to 2038, FRN to 2068 | \$ 325,000 | \$ 356,685 |
| ING Capital Funding Trust III, FRN, 3.902%, 2049 | 80,000 | 76,762 |
| ING Groep N.V., 5.775% to 2015, FRN to 2049 | 434,000 | 386,260 |
| MetLife, Inc., 9.25% to 2038, FRN to 2038 (n) | 600,000 | 726,000 |
| | | \$ 1,545,707 |
| Insurance - Property & Casualty 1.5% | | |
| Liberty Mutual Group, Inc., 10.75% to 2038, FRN to 2088 (n) | \$ 330,000 | \$ 429,825 |
| USI Holdings Corp., 9.75%, 2015 (z) | 320,000 | 329,600 |
| XL Group PLC, 6.5% to 2017, FRN to 2049 | 245,000 | 226,625 |
| | | \$ 986,050 |
| International Market Sovereign 0.3% | | |
| Republic of Ireland, 5.4%, 2025 | EUR 175,000 | \$ 169,817 |
| Machinery & Tools 1.3% | | |
| Case Corp., 7.25%, 2016 | \$ 90,000 | \$ 98,325 |
| Case New Holland, Inc., 7.875%, 2017 (n) | 415,000 | 463,761 |
| Rental Service Corp., 9.5%, 2014 | 178,000 | 186,900 |
| RSC Equipment Rental, Inc., 8.25%, 2021 (z) | 95,000 | 100,463 |
| | | \$ 849,449 |
| Major Banks 2.6% | | |
| Bank of America Corp., 8% to 2018, FRN to 2049 | \$ 630,000 | \$ 665,085 |
| JPMorgan Chase & Co., 7.9% to 2018, FRN to 2049 | 445,000 | 484,387 |
| Royal Bank of Scotland Group PLC, 7.648% to 2031, FRN to 2049 | 525,000 | 480,375 |
| Royal Bank of Scotland Group PLC, 6.99% to 2017, FRN to 2049 (d)(n) | 100,000 | 86,000 |
| | | \$ 1,715,847 |
| Medical & Health Technology & Services 8.1% | | |

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| | | |
|---|-----------|-----------|
| Biomet, Inc., 10.375%, 2017 (p) | \$ 85,000 | \$ 95,094 |
| Biomet, Inc., 11.625%, 2017 | 475,000 | 535,563 |
| Community Health Systems, Inc., 8.875%, 2015 | 435,000 | 461,100 |
| Davita, Inc., 6.375%, 2018 | 190,000 | 192,613 |
| Davita, Inc., 6.625%, 2020 | 105,000 | 106,444 |
| Fresenius Medical Care AG & Co. KGaA, 9%, 2015 (n) | 165,000 | 189,131 |
| HCA, Inc., 9.25%, 2016 | 1,150,000 | 1,242,000 |
| HCA, Inc., 8.5%, 2019 | 160,000 | 179,200 |
| HealthSouth Corp., 8.125%, 2020 | 435,000 | 471,975 |
| Tenet Healthcare Corp., 9.25%, 2015 | 425,000 | 466,969 |
| Tenet Healthcare Corp., 8%, 2020 | 90,000 | 92,700 |
| United Surgical Partners International, Inc., 8.875%, 2017 | 95,000 | 100,225 |
| United Surgical Partners International, Inc., 9.25%, 2017 (p) | 125,000 | 132,186 |
| Universal Hospital Services, Inc., 8.5%, 2015 (p) | 400,000 | 418,000 |
| Vanguard Health Systems, Inc., 8%, 2018 | 195,000 | 200,361 |

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PORTFOLIO OF INVESTMENTS (unaudited) 2/28/11 - continued

| Issuer | Shares/Par | Value (\$) |
|---|------------|--------------|
| Bonds continued | | |
| Medical & Health Technology & Services continued | | |
| VWR Funding, Inc., 10.25%, 2015 (p) | \$ 402,062 | \$ 426,186 |
| | | \$ 5,309,747 |
| Metals & Mining 2.3% | | |
| Arch Coal, Inc., 7.25%, 2020 | \$ 110,000 | \$ 116,875 |
| Arch Western Finance LLC, 6.75%, 2013 | 85,000 | 85,850 |
| Cloud Peak Energy, Inc., 8.25%, 2017 | 165,000 | 179,438 |
| Cloud Peak Energy, Inc., 8.5%, 2019 | 225,000 | 248,063 |
| Consol Energy, Inc., 8%, 2017 | 170,000 | 184,450 |
| Consol Energy, Inc., 8.25%, 2020 | 110,000 | 121,275 |
| Novelis, Inc., 8.375%, 2017 (n) | 110,000 | 121,275 |
| Novelis, Inc., 8.75%, 2020 (n) | 60,000 | 66,150 |
| Peabody Energy Corp., 7.375%, 2016 | 350,000 | 395,500 |
| | | \$ 1,518,876 |
| Natural Gas - Distribution 0.8% | | |
| AmeriGas Partners LP, 7.125%, 2016 | \$ 295,000 | \$ 306,800 |
| Ferrellgas Partners LP, 8.625%, 2020 | 180,000 | 195,750 |
| | | \$ 502,550 |
| Natural Gas - Pipeline 2.8% | | |
| Atlas Pipeline Partners LP, 8.125%, 2015 | \$ 55,000 | \$ 57,406 |
| Atlas Pipeline Partners LP, 8.75%, 2018 | 200,000 | 214,000 |
| Colorado Interstate Gas Co., 6.8%, 2015 | 91,000 | 104,602 |
| Crosstex Energy, Inc., 8.875%, 2018 | 220,000 | 242,550 |
| El Paso Corp., 6.875%, 2014 | 325,000 | 355,152 |
| El Paso Corp., 7%, 2017 | 185,000 | 206,686 |
| El Paso Corp., 7.75%, 2032 | 90,000 | 95,292 |
| Energy Transfer Equity LP, 7.5%, 2020 | 290,000 | 314,288 |
| Enterprise Products Partners LP, 8.375% to 2016, FRN to 2066 | 109,000 | 117,584 |
| Enterprise Products Partners LP, 7.034% to 2018, FRN to 2068 | 67,000 | 69,848 |
| MarkWest Energy Partners LP, 8.75%, 2018 | 40,000 | 43,800 |
| | | \$ 1,821,208 |
| Network & Telecom 5.1% | | |
| CenturyLink, Inc., 7.6%, 2039 | \$ 125,000 | \$ 131,960 |
| Cincinnati Bell, Inc., 7%, 2015 | 395,000 | 402,900 |
| Cincinnati Bell, Inc., 8.75%, 2018 | 270,000 | 258,861 |
| Citizens Communications Co., 7.875%, 2027 | 325,000 | 313,625 |
| Citizens Communications Co., 9%, 2031 | 70,000 | 73,675 |
| Frontier Communications Corp., 8.25%, 2017 | 65,000 | 71,825 |
| Frontier Communications Corp., 8.5%, 2020 | 55,000 | 61,050 |
| Orascom Telecom Finance S.C.A., 7.875%, 2014 (z) | 225,000 | 217,125 |
| Qwest Communications International, Inc., 8%, 2015 | 105,000 | 114,581 |
| Qwest Communications International, Inc., 7.125%, 2018 (n) | 315,000 | 337,838 |

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| | | |
|---|---------|---------|
| Qwest Communications International, Inc. B , 7.5%, 2014 | 250,000 | 253,750 |
| Qwest Corp., 7.5%, 2014 | 145,000 | 166,025 |
| Windstream Corp., 8.625%, 2016 | 715,000 | 756,113 |
| Windstream Corp., 8.125%, 2018 | 45,000 | 48,150 |
| Windstream Corp., 7.75%, 2020 | 125,000 | 129,531 |

\$ 3,337,009

Oil Services 1.6%

| | | |
|--|------------|------------|
| Edgen Murray Corp., 12.25%, 2015 | \$ 105,000 | \$ 100,275 |
| Expro Finance Luxembourg, 8.5%, 2016 (n) | 400,000 | 411,000 |
| McJunkin Red Man Holding Corp., 9.5%, 2016 (n) | 160,000 | 158,400 |
| Pioneer Drilling Co., 9.875%, 2018 | 190,000 | 207,100 |

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MFS Intermediate High Income Fund

PORTFOLIO OF INVESTMENTS (unaudited) 2/28/11 - continued

| Issuer | Shares/Par | Value (\$) |
|--|------------|--------------|
| Bonds continued | | |
| Oil Services continued | | |
| Trinidad Drilling Ltd., 7.875%, 2019 (n) | \$ 130,000 | \$ 136,013 |
| | | \$ 1,012,788 |
| Oils 0.3% | | |
| Petroplus Holdings AG, 9.375%, 2019 (n) | \$ 205,000 | \$ 213,200 |
| Other Banks & Diversified Financials 2.5% | | |
| Capital One Financial Corp., 10.25%, 2039 | \$ 220,000 | \$ 238,975 |
| Citigroup Capital XXI, 8.3% to 2037, FRN to 2077 | 660,000 | 679,800 |
| Groupe BPCE S.A., 12.5% to 2019, FRN to 2049 (n) | 125,000 | 140,694 |
| LBG Capital No. 1 PLC, 7.875%, 2020 (n) | 210,000 | 202,650 |
| Santander UK PLC, 8.963% to 2030, FRN to 2049 | 338,000 | 371,800 |
| | | \$ 1,633,919 |
| Pharmaceuticals 0.1% | | |
| Valiant Pharmaceuticals International, Inc., 6.75%, 2017 (n) | \$ 60,000 | \$ 62,100 |
| Printing & Publishing 0.7% | | |
| American Media, Inc., 13.5%, 2018 (z) | \$ 28,207 | \$ 28,806 |
| McClatchy Co., 11.5%, 2017 | 100,000 | 113,500 |
| Morris Publishing Group LLC, 10%, 2014 | 91,547 | 87,771 |
| Nielsen Finance LLC, 11.5%, 2016 | 97,000 | 114,218 |
| Nielsen Finance LLC, 7.75%, 2018 (n) | 105,000 | 113,531 |
| | | \$ 457,826 |
| Railroad & Shipping 0.5% | | |
| Kansas City Southern Railway, 8%, 2015 | \$ 310,000 | \$ 336,350 |
| Real Estate 0.6% | | |
| CB Richard Ellis Group, Inc., 11.625%, 2017 | \$ 180,000 | \$ 212,175 |
| Entertainment Properties Trust, REIT, 7.75%, 2020 (n) | 200,000 | 210,500 |
| | | \$ 422,675 |
| Restaurants 0.1% | | |
| Dunkin Finance Corp., 9.625%, 2018 (n) | \$ 68,000 | \$ 68,850 |
| Retailers 3.5% | | |
| Burlington Coat Factory Warehouse Corp., 10%, 2019 (z) | \$ 50,000 | \$ 50,500 |
| Express LLC/Express Finance Corp., 8.75%, 2018 | 110,000 | 118,388 |
| General Nutrition Centers, Inc., FRN, 5.75%, 2014 (p) | 205,000 | 204,616 |
| Limited Brands, Inc., 6.9%, 2017 | 125,000 | 134,063 |
| Limited Brands, Inc., 6.95%, 2033 | 175,000 | 162,750 |
| Neiman Marcus Group, Inc., 10.375%, 2015 | 300,000 | 317,625 |
| QVC, Inc., 7.375%, 2020 (n) | 225,000 | 238,500 |

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| | | |
|---|---------|---------|
| Sally Beauty Holdings, Inc., 10.5%, 2016 | 275,000 | 302,500 |
| Toys R Us Property Co. II LLC, 8.5%, 2017 | 330,000 | 358,875 |
| Toys R Us, Inc., 10.75%, 2017 | 280,000 | 319,900 |
| YCC Holdings LLC, 10.25%, 2016 (p)(z) | 105,000 | 108,150 |

\$ 2,315,867

Specialty Stores 1.0%

| | | |
|---|-----------|-----------|
| Giraffe Acquisition Corp., 9.125%, 2018 (n) | \$ 70,000 | \$ 71,400 |
| Michaels Stores, Inc., 11.375%, 2016 | 125,000 | 136,563 |
| Michaels Stores, Inc., 7.75%, 2018 (n) | 155,000 | 160,038 |
| Payless ShoeSource, Inc., 8.25%, 2013 | 262,000 | 266,421 |

\$ 634,422

Telecommunications - Wireless 5.5%

| | | |
|---|------------|------------|
| Clearwire Corp., 12%, 2015 (n) | \$ 525,000 | \$ 572,250 |
| Cricket Communications, Inc., 7.75%, 2016 | 135,000 | 142,763 |

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MFS Intermediate High Income Fund

PORTFOLIO OF INVESTMENTS (unaudited) 2/28/11 - continued

| Issuer | Shares/Par | Value (\$) |
|---|------------|--------------|
| Bonds continued | | |
| Telecommunications - Wireless continued | | |
| Crown Castle International Corp., 9%, 2015 | \$ 215,000 | \$ 241,875 |
| Crown Castle International Corp., 7.125%, 2019 | 210,000 | 223,388 |
| Digicel Group Ltd., 8.25%, 2017 (n) | 235,000 | 245,575 |
| Digicel Group Ltd., 10.5%, 2018 (n) | 100,000 | 114,000 |
| MetroPCS Wireless, Inc., 7.875%, 2018 | 105,000 | 110,906 |
| Nextel Communications, Inc., 7.375%, 2015 | 170,000 | 170,425 |
| NII Holdings, Inc., 10%, 2016 | 160,000 | 181,200 |
| NII Holdings, Inc., 8.875%, 2019 | 100,000 | 110,500 |
| SBA Communications Corp., 8%, 2016 | 80,000 | 87,200 |
| SBA Communications Corp., 8.25%, 2019 | 125,000 | 137,813 |
| Sprint Capital Corp., 6.875%, 2028 | 90,000 | 81,113 |
| Sprint Nextel Corp., 8.375%, 2017 | 450,000 | 498,938 |
| Sprint Nextel Corp., 8.75%, 2032 | 315,000 | 327,600 |
| Wind Acquisition Finance S.A., 11.75%, 2017 (n) | 100,000 | 114,750 |
| Wind Acquisition Finance S.A., 7.25%, 2018 (n) | 210,000 | 216,825 |
| | | \$ 3,577,121 |
| Telephone Services 0.8% | | |
| Cogent Communications Group, Inc., 8.375%, 2018 (z) | \$ 100,000 | \$ 103,750 |
| Embarq Corp., 7.995%, 2036 | 160,000 | 181,833 |
| Frontier Communications Corp., 8.125%, 2018 | 195,000 | 216,694 |
| | | \$ 502,277 |
| Tobacco 0.6% | | |
| Reynolds American, Inc., 7.625%, 2016 | \$ 345,000 | \$ 409,940 |
| Transportation - Services 2.6% | | |
| ACL I Corp., 10.625%, 2016 (p)(z) | \$ 150,000 | \$ 149,897 |
| Aguila American Resources Ltd., 7.875%, 2018 (z) | 150,000 | 155,625 |
| American Petroleum Tankers LLC, 10.25%, 2015 (n) | 145,000 | 151,706 |
| Commercial Barge Line Co., 12.5%, 2017 | 285,000 | 330,600 |
| Hertz Corp., 8.875%, 2014 | 219,000 | 224,749 |
| Hertz Corp., 7.5%, 2018 (n) | 130,000 | 137,638 |
| Hertz Corp., 7.375%, 2021 (n) | 170,000 | 177,650 |
| Navios Maritime Acquisition Corp., 8.625%, 2017 (n) | 105,000 | 109,463 |
| Navios Maritime Holdings, Inc., 8.875%, 2017 | 90,000 | 97,200 |
| Swift Services Holdings, Inc., 10%, 2018 (z) | 165,000 | 180,675 |
| | | \$ 1,715,203 |
| Utilities - Electric Power 5.7% | | |
| AES Corp., 8%, 2017 | \$ 505,000 | \$ 547,925 |
| Calpine Corp., 8%, 2016 (n) | 415,000 | 450,275 |
| Calpine Corp., 7.875%, 2020 (n) | 215,000 | 227,361 |
| Covanta Holding Corp., 7.25%, 2020 | 155,000 | 162,791 |
| Dynegy Holdings, Inc., 7.125%, 2018 | 540,000 | 383,400 |
| Dynegy Holdings, Inc., 7.75%, 2019 | 240,000 | 173,400 |

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| | | |
|---|---------|---------|
| Edison Mission Energy, 7%, 2017 | 500,000 | 406,250 |
| Energy Future Holdings Corp., 10.25%, 2020 (n) | 270,000 | 281,165 |
| Energy Future Holdings Corp., 10%, 2020 | 420,000 | 438,418 |
| Genon Escrow Corp., 9.875%, 2020 (n) | 475,000 | 499,938 |
| Texas Competitive Electric Holdings LLC, 10.25%, 2015 | 275,000 | 154,688 |

\$ 3,725,611

Total Bonds **\$ 81,170,205**

Floating Rate Loans (g)(r) 0.8%

Aerospace 0.2%

| | | |
|---|------------|------------|
| Hawker Beechcraft Acquisition Co. LLC, Term Loan, 10.5%, 2014 | \$ 107,005 | \$ 108,476 |
|---|------------|------------|

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MFS Intermediate High Income Fund

PORTFOLIO OF INVESTMENTS (unaudited) 2/28/11 - continued

| Issuer | Shares/Par | Value (\$) |
|--|------------|-------------------|
| Floating Rate Loans (g)(r) continued | | |
| Broadcasting 0.3% | | |
| Gray Television, Inc., Term Loan B, 3.77%, 2014 | \$ 64,993 | \$ 64,703 |
| Local TV Finance LLC, Term Loan B, 2.31%, 2013 | 15,390 | 15,006 |
| New Young Broadcasting Holding Co., Inc., Term Loan, 8%, 2015 | 92,724 | 93,111 |
| | | \$ 172,820 |
| Building 0.0% | | |
| Goodman Global Holdings, Inc., 2nd Lien Term Loan, 9%, 2017 | \$ 9,907 | \$ 10,211 |
| Consumer Services 0.1% | | |
| Realogy Corp., Letter of Credit, 3.113%, 2016 | \$ 9,796 | \$ 9,398 |
| Realogy Corp., Term Loan, 5.25%, 2016 | 57,760 | 55,408 |
| | | \$ 64,806 |
| Financial Institutions 0.0% | | |
| American General Financial Corp., Term Loan B, 7.25%, 2015 | \$ 32,250 | \$ 32,537 |
| Gaming & Lodging 0.2% | | |
| Green Valley Ranch Gaming LLC, Second Lien Term Loan, 3.5%, 2014 (d) | \$ 525,000 | \$ 4,935 |
| MGM Mirage, Term Loan, 7%, 2014 (o) | 119,806 | 117,993 |
| | | \$ 122,928 |
| Total Floating Rate Loans | | \$ 511,778 |
| Common Stocks 0.5% | | |
| Automotive 0.1% | | |
| Accuride Corp. (a) | 4,099 | \$ 57,345 |
| Broadcasting 0.1% | | |
| New Young Broadcasting Holding Co., Inc. (a) | 42 | \$ 105,000 |
| Gaming & Lodging 0.1% | | |
| Ameristar Casinos, Inc. | 2,100 | \$ 35,175 |
| Printing & Publishing 0.2% | | |
| American Media Operations, Inc. (a) | 7,229 | \$ 103,158 |
| Quad/Graphics, Inc. (a) | 357 | 15,501 |
| | | \$ 118,659 |
| Special Products & Services 0.0% | | |
| Mark IV Industries LLC, Common Units, A (a) | 207 | \$ 12,110 |
| Trucking 0.0% | | |
| Quality Distribution, Inc. (a) | 2,687 | \$ 27,139 |

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Total Common Stocks **\$ 355,428**

Preferred Stocks 0.3%

Automotive 0.2%

General Motors Co., 4.75% 3,430 \$ 174,518

Other Banks & Diversified Financials 0.1%

Citigroup Capital XIII, 7.875% 1,450 \$ 39,223

Total Preferred Stocks **\$ 213,741**

| | Strike Price | First Exercise | | |
|---|--------------|----------------|----|-----------|
| Warrants 0.2% | | | | |
| Broadcasting 0.2% | | | | |
| New Young Broadcasting Holding Co., Inc. (1 share for 1 warrant) (a) | \$ 0.01 | 7/14/10 | 38 | \$ 95,000 |

| Issuer/Expiration Date/Strike Price | Number of Contracts | |
|-------------------------------------|---------------------------|-----------|
| Call Options Purchased 0.1% | | |
| S&P 500 Index - June 2011 @ \$1,350 | 23 | \$ 76,360 |

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MFS Intermediate High Income Fund

PORTFOLIO OF INVESTMENTS (unaudited) 2/28/11 - continued

| Issuer | Shares/Par | Value (\$) |
|--|------------|----------------------|
| Money Market Funds (v) 5.4% | | |
| MFS Institutional Money Market Portfolio, 0.2%, at Net Asset Value | 3,515,723 | \$ 3,515,723 |
| Total Investments | | \$ 85,938,235 |
| Other Assets, Less Liabilities (31.7)% | | (20,662,916) |
| Net Assets 100.0% | | \$ 65,275,319 |

- (a) Non-income producing security.
- (d) Non-income producing security - in default.
- (g) The rate shown represents a weighted average coupon rate on settled positions at period end, unless otherwise indicated.
- (n) Securities exempt from registration under Rule 144A of the Securities Act of 1933. These securities may be sold in the ordinary course of business in transactions exempt from registration, normally to qualified institutional buyers. At period end, the aggregate value of these securities was \$16,818,166, representing 25.8% of net assets.
- (o) All or a portion of this position has not settled. Upon settlement date, interest rates for unsettled amounts will be determined. The rate shown represents the weighted average coupon rate for settled amounts.
- (p) Payment-in-kind security.
- (r) Remaining maturities of floating rate loans may be less than stated maturities shown as a result of contractual or optional prepayments by the borrower. Such prepayments cannot be predicted with certainty. These loans may be subject to restrictions on resale. Floating rate loans generally have rates of interest which are determined periodically by reference to a base lending rate plus a premium.
- (v) Underlying affiliated fund that is available only to investment companies managed by MFS. The rate quoted is the annualized seven-day yield of the fund at period end.
- (z) Restricted securities are not registered under the Securities Act of 1933 and are subject to legal restrictions on resale. These securities generally may be resold in transactions exempt from registration or to the public if the securities are subsequently registered. Disposal of these securities may involve time-consuming negotiations and prompt sale at an acceptable price may be difficult. The fund holds the following restricted securities:

| Restricted Securities | Acquisition Date | Cost | Value |
|--|---------------------|------------|------------|
| ACL I Corp., 10.625%, 2016 | 2/10/11 | \$ 147,391 | \$ 149,897 |
| AMC Entertainment, Inc., 9.75%, 2020 | 12/01/10 | 125,000 | 134,061 |
| Aguila American Resources Ltd., 7.875%, 2018 | 1/25/11 | 153,713 | 155,625 |
| American Media, Inc., 13.5%, 2018 | 12/22/10 | 28,652 | 28,806 |
| Banc of America Commercial Mortgage, Inc., FRN, 6.248%, 2051 | 6/19/08 | 328,073 | 241,357 |
| Bresnan Broadband Holdings LLC, 8%, 2018 | 12/01/10 | 60,000 | 63,000 |
| Burlington Coat Factory Warehouse Corp., 10%, 2019 | 2/17/11 | 50,000 | 50,500 |
| CPI International Acquisition, Inc., 8%, 2018 | 2/03/11 | 70,000 | 70,525 |
| Cequel Communications Holdings, 8.625%, 2017 | 1/13/11 | 82,271 | 84,600 |
| Citadel Broadcasting Corp., 7.75%, 2018 | 12/06/10 | 40,000 | 42,900 |
| Cogent Communications Group, Inc., 8.375%, 2018 | 1/11/11 | 100,000 | 103,750 |
| Credit Acceptance Corp., 9.125%, 2017 | 2/28/11 | 58,300 | 58,300 |
| Elizabeth Arden, Inc., 7.375%, 2021 | 1/13/11 - 1/21/11 | 121,967 | 126,000 |
| G-Force LLC, CDO, A2, 4.83%, 2036 | 1/20/11 | 124,805 | 127,688 |
| LBI Media, Inc., 8.5%, 2017 | 7/18/07 | 148,183 | 125,438 |
| Local TV Finance LLC, 9.25%, 2015 | 5/02/07 - 2/16/11 | 270,058 | 260,745 |
| NAI Entertainment Holdings LLC, 8.25%, 2017 | 12/02/10 - 12/20/10 | 92,612 | 96,750 |
| Nationstar Mortgage LLC, 10.875%, 2015 | 3/23/10 - 12/08/10 | 234,615 | 257,500 |
| ONO Finance II PLC, 10.875%, 2019 | 1/21/11 | 150,000 | 161,250 |
| Orascom Telecom Finance S.C.A., 7.875%, 2014 | 2/01/07 | 225,000 | 217,125 |
| Packaging Dynamics Corp., 8.75%, 2016 | 1/25/11 - 2/01/11 | 65,822 | 66,544 |

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| | | | |
|--|--------------------|---------|---------|
| Ply Gem Industries, Inc., 8.25%, 2018 | 2/09/11 | 80,000 | 81,900 |
| Polypore International, Inc., 7.5%, 2017 | 11/10/10 - 2/24/11 | 55,675 | 56,925 |
| RSC Equipment Rental, Inc., 8.25%, 2021 | 1/13/11 - 1/14/11 | 95,869 | 100,463 |
| Reynolds Group, 9%, 2019 | 1/24/11 | 105,580 | 104,250 |
| Reynolds Group, 8.25%, 2021 | 1/27/11 | 105,000 | 105,263 |
| SIRIUS XM Radio, Inc., 13%, 2013 | 12/15/10 - 1/03/11 | 129,643 | 131,175 |
| Swift Services Holdings, Inc., 10%, 2018 | 12/15/10 | 165,000 | 180,675 |
| Syniverse Holdings, Inc., 9.125%, 2019 | 12/16/10 | 137,446 | 145,800 |
| UCI International, Inc., 8.625%, 2019 | 1/11/11 | 60,000 | 63,900 |
| UPCB Finance III Ltd., 6.625%, 2020 | 2/07/11 | 204,000 | 203,235 |
| USI Holdings Corp., 9.75%, 2015 | 4/26/07 - 9/13/07 | 317,598 | 329,600 |

MFS Intermediate High Income Fund

PORTFOLIO OF INVESTMENTS (unaudited) 2/28/11 - continued

| Restricted Securities - continued | Acquisition Date | Cost | Value |
|--|-----------------------------|-------------|--------------|
| YCC Holdings LLC, 10.25%, 2016 | 2/04/11 - 2/10/11 | \$ 105,660 | \$ 108,150 |
| Total Restricted Securities | | | \$ 4,233,697 |
| % of Net Assets | | | 6.5% |

The following abbreviations are used in this report and are defined:

| | |
|------|---|
| CDO | Collateralized Debt Obligation |
| FRN | Floating Rate Note. Interest rate resets periodically and may not be the rate reported at period end. |
| PLC | Public Limited Company |
| REIT | Real Estate Investment Trust |

Abbreviations indicate amounts shown in currencies other than the U.S. dollar. All amounts are stated in U.S. dollars unless otherwise indicated. A list of abbreviations is shown below:

EUR Euro

See attached supplemental information. For more information see notes to financial statements as disclosed in the most recent semiannual or annual report.

MFS Intermediate High Income Fund**Supplemental Information (Unaudited) 2/28/11****(1) Investment Valuations**

Debt instruments and floating rate loans (other than short-term instruments), including restricted debt instruments, are generally valued at an evaluated or composite bid as provided by a third-party pricing service. Equity securities, including restricted equity securities, are generally valued at the last sale or official closing price as provided by a third-party pricing service on the market or exchange on which they are primarily traded. Equity securities, for which there were no sales reported that day, are generally valued at the last quoted daily bid quotation as provided by a third-party pricing service on the market or exchange on which such securities are primarily traded. Equity securities held short, for which there were no sales reported for that day, are generally valued at the last quoted daily ask quotation as provided by a third-party pricing service on the market or exchange on which such securities are primarily traded. Short-term instruments with a maturity at issuance of 60 days or less generally are valued at amortized cost, which approximates market value. Exchange-traded options are generally valued at the last sale or official closing price as provided by a third-party pricing service on the exchange on which such options are primarily traded. Exchange-traded options for which there were no sales reported that day are generally valued at the last daily bid quotation as provided by a third-party pricing service on the exchange on which such options are primarily traded. Options not traded on an exchange are generally valued at a broker/dealer bid quotation. Foreign currency options are generally valued at valuations provided by a third-party pricing service. Futures contracts are generally valued at last posted settlement price as provided by a third-party pricing service on the market on which they are primarily traded. Futures contracts for which there were no trades that day for a particular position are generally valued at the closing bid quotation as provided by a third-party pricing service on the market on which such futures contracts are primarily traded. Forward foreign currency contracts are generally valued at the mean of bid and asked prices for the time period interpolated from rates provided by a third-party pricing service for proximate time periods. Open-end investment companies are generally valued at net asset value per share. Securities and other assets generally valued on the basis of information from a third-party pricing service may also be valued at a broker/dealer bid quotation. Values obtained from third-party pricing services can utilize both transaction data and market information such as yield, quality, coupon rate, maturity, type of issue, trading characteristics, and other market data. The values of foreign securities and other assets and liabilities expressed in foreign currencies are converted to U.S. dollars using the mean of bid and asked prices for rates provided by a third-party pricing service.

The Board of Trustees has delegated primary responsibility for determining or causing to be determined the value of the fund's investments (including any fair valuation) to the adviser pursuant to valuation policies and procedures approved by the Board. If the adviser determines that reliable market quotations are not readily available, investments are valued at fair value as determined in good faith by the adviser in accordance with such procedures under the oversight of the Board of Trustees. Under the fund's valuation policies and procedures, market quotations are not considered to be readily available for most types of debt instruments and floating rate loans and many types of derivatives. These investments are generally valued at fair value based on information from third-party pricing services. In addition, investments may be valued at fair value if the adviser determines that an investment's value has been materially effected by events occurring after the close of the exchange or market on which the investment is principally traded (such as foreign exchange or market) and prior to the determination of the fund's net asset value, or after the halting of trading of a specific security where trading does not resume prior to the close of the exchange or market on which the security is principally traded. The adviser generally relies on third-party pricing services or other information (such as the correlation with price movements of similar securities in the same or other markets; the type, cost and investment characteristics of the security; the business and financial condition of the issuer; and trading and other market data) to assist in determining whether to fair value and at what value to fair value an investment. The value of an investment for purposes of calculating the fund's net asset value can differ depending on the source and method used to determine value. When fair valuation is used, the value of an investment used to determine the fund's net asset value may differ from quoted or published prices for the same investment. There can be no assurance that the fund could obtain the fair value assigned to an investment if it were to sell the investment at the same time at which the fund determines its net asset value per share.

Various inputs are used in determining the value of the fund's assets or liabilities. These inputs are categorized into three broad levels. In certain cases, the inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, an investment's level within the fair value hierarchy is based on the lowest level of input that is significant to the fair value measurement. The fund's assessment of the significance of a particular input to the fair value measurement in its entirety requires judgment, and considers factors specific to the investment. Level 1 includes unadjusted quoted prices in active markets for identical assets or liabilities. Level 2 includes other significant observable market-based inputs (including quoted prices for similar securities, interest rates, prepayment speed, and credit risk). Level 3 includes unobservable inputs, which may include the adviser's own assumptions in determining the fair value of investments. Other financial instruments are derivative instruments not reflected in total investments, such as futures and forwards.

MFS Intermediate High Income Fund

Supplemental Information (Unaudited) 2/28/11 - continued

(1) Investment Valuations - continued

The following is a summary of the levels used as of February 28, 2011 in valuing the fund's assets or liabilities:

| Investments at Value | Level 1 | Level 2 | Level 3 | Total |
|--|---------------------|----------------------|-------------|----------------------|
| Equity Securities | \$ 425,262 | \$ 315,267 | \$ | \$ 740,529 |
| Non-U.S. Sovereign Debt | | 169,817 | | 169,817 |
| Corporate Bonds | | 70,000,077 | 0 | 70,000,077 |
| Commercial Mortgage-Backed Securities | | 1,894,856 | | 1,894,856 |
| Asset-Backed Securities (including CDOs) | | 127,688 | | 127,688 |
| Foreign Bonds | | 8,977,767 | | 8,977,767 |
| Floating Rate Loans | | 511,778 | | 511,778 |
| Mutual Funds | 3,515,723 | | | 3,515,723 |
| Total Investments | \$ 3,940,985 | \$ 81,997,250 | \$ 0 | \$ 85,938,235 |

Other Financial Instruments

| | | | | |
|----------------------------|------------|----------|----|------------|
| Futures | \$ (1,818) | \$ | \$ | \$ (1,818) |
| Forward Currency Contracts | | (45,745) | | (45,745) |

For further information regarding security characteristics, see the Portfolio of Investments. At 2/28/11, the fund held 1 level 3 security valued at \$0, which was also held and valued at \$0 at November 30, 2010.

(2) Portfolio Securities

The cost and unrealized appreciation and depreciation in the value of the investments owned by the fund, as computed on a federal income tax basis, are as follows:

| | |
|--|---------------|
| Aggregate cost | \$ 83,918,355 |
| Gross unrealized appreciation | \$ 5,835,473 |
| Gross unrealized depreciation | (3,815,593) |
| Net unrealized appreciation (depreciation) | \$ 2,019,880 |

The aggregate cost above includes prior fiscal year end tax adjustments, if applicable.

(3) Derivative Contracts at 2/28/11**Forward Foreign Currency Exchange Contracts at 2/28/11**

| Type | Currency | Counterparty | Contracts to Deliver/Receive | Settlement Date Range | In Exchange For | Contracts at Value | Net Unrealized Appreciation (Depreciation) |
|------|----------|--------------|------------------------------|-----------------------|-----------------|--------------------|--|
|------|----------|--------------|------------------------------|-----------------------|-----------------|--------------------|--|

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| Asset Derivatives | | | | | | | | |
|------------------------------|-----|---------------------|---------|---------|------------|------------|----|----------|
| BUY | EUR | Citibank N.A. | 258,738 | 4/12/11 | \$ 356,649 | \$ 356,864 | \$ | 215 |
| BUY | EUR | UBS AG | 80,000 | 3/15/11 | 105,531 | 110,378 | | 4,847 |
| | | | | | | | \$ | 5,062 |
| Liability Derivatives | | | | | | | | |
| BUY | EUR | Citibank N.A. | 157,630 | 4/12/11 | \$ 217,644 | \$ 217,412 | \$ | (232) |
| SELL | EUR | Credit Suisse Group | 135,315 | 4/12/11 | 184,009 | 186,634 | | (2,625) |
| SELL | EUR | UBS AG | 814,303 | 3/15/11 | 1,075,564 | 1,123,514 | | (47,950) |
| | | | | | | | \$ | (50,807) |

MFS Intermediate High Income Fund

Supplemental Information (Unaudited) 2/28/11 - continued

(3) Derivative Contracts at 2/28/11 - continued

Futures Contracts Outstanding at 2/28/11

| Description | Currency | Contracts | Value | Expiration Date | Unrealized Appreciation (Depreciation) |
|----------------------------------|----------|-----------|------------|-----------------|--|
| Liability Derivatives | | | | | |
| <i>Interest Rate Futures</i> | | | | | |
| U.S. Treasury Note 10 yr (Short) | USD | 4 | \$ 476,188 | June-2011 | \$ (1,045) |
| U.S. Treasury Bond 30 yr (Short) | USD | 2 | 240,688 | June-2011 | (773) |
| | | | | | \$ (1,818) |

At February 28, 2011, the fund had sufficient cash and/or other liquid securities to cover any commitments under these derivative contracts.

(4) Transactions in Underlying Affiliated Funds-Affiliated Issuers

An affiliated issuer may be considered one in which the fund owns 5% or more of the outstanding voting securities, or a company which is under common control. For the purposes of this report, the fund assumes the following to be affiliated issuers:

| Underlying Affiliated Funds | Beginning Shares/Par Amount | Acquisitions Shares/Par Amount | Dispositions Shares/Par Amount | Ending Shares/Par Amount |
|--|-----------------------------|--------------------------------|--------------------------------|--------------------------|
| MFS Institutional Money Market Portfolio | 1,209,589 | 8,072,935 | (5,766,801) | 3,515,723 |

| Underlying Affiliated Funds | Realized Gain (Loss) | Capital Gain Distributions | Dividend Income | Ending Value |
|--|----------------------|----------------------------|-----------------|--------------|
| MFS Institutional Money Market Portfolio | \$ | \$ | \$ 1,036 | \$ 3,515,723 |

ITEM 2. CONTROLS AND PROCEDURES.

- (a) Based upon their evaluation of the effectiveness of the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940 (the "Act")) as conducted within 90 days of the filing date of this Form N-Q, the registrant's principal financial officer and principal executive officer have concluded that those disclosure controls and procedures provide reasonable assurance that the material information required to be disclosed by the registrant on this report is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms.

- (b) There were no changes in the registrant's internal controls over financial reporting (as defined in Rule 30a-3(d) under the Act) that occurred during the registrant's last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

ITEM 3. EXHIBITS.

File as exhibits as part of this Form a separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the Act (17 CFR 270.30a-2): Attached hereto.

Notice

A copy of the Agreement and Declaration of Trust, as amended, of the Registrant is on file with the Secretary of State of The Commonwealth of Massachusetts and notice is hereby given that this instrument is executed on behalf of the Registrant by an officer of the Registrant as an officer and not individually and the obligations of or arising out of this instrument are not binding upon any of the Trustees or shareholders individually, but are binding only upon the assets and property of the respective constituent series of the Registrant.

SIGNATURES

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.

Registrant: MFS INTERMEDIATE HIGH INCOME FUND

By (Signature and Title)* MARIA F. DIORIODWYER
Maria F. DiOrioDwyer, President

Date: April 15, 2011

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 (Signature and Title)* MARIA F. DIORIODWYER
Maria F. DiOrioDwyer, President
(Principal Executive Officer)

Date: April 15, 2011

By (Signature and Title)* JOHN M. CORCORAN
John M. Corcoran, Treasurer
(Principal Financial Officer
and Accounting Officer)

Date: April 15, 2011

* Print name and title of each signing officer under his or her signature.