

NUVEEN MASSACHUSETTS DIVIDEND ADVANTAGE MUNICIPAL FUND  
Form N-Q  
October 29, 2004

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 20549**

**FORM N-Q**

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

Investment Company Act file number 811-09451

**Nuveen Massachusetts Dividend Advantage Municipal Fund**

(Exact name of registrant as specified in charter)

**333 West Wacker Drive, Chicago, Illinois, 60606**

Address of principal executive offices) (Zip code)

**Jessica R. Droeger Vice President and Secretary**

**333 West Wacker Drive, Chicago, Illinois, 60606**

(Name and address of agent for service)

Registrant's telephone number, including area code: 312-917-7700

Date of fiscal year end: 05/31

Date of reporting period: 08/31/04

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (§§ 239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after the close of the first and third fiscal quarters, pursuant to rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget (OMB) control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to the Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. § 3507.

**Item 1. Schedule of Investments**

Portfolio of Investments (Unaudited)

**Nuveen Massachusetts Dividend Advantage Municipal Fund (NMB)**

*August 31, 2004*

| Principal<br>Description <sup>(1)</sup> | Optional Call<br>Provisions* | Ratings** | Market<br>Value |
|---|------------------------------|-----------|-----------------|
|---|------------------------------|-----------|-----------------|

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMP

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| Principal Amount (000)                           |  | Optional Call   | Market          |
|--|--|-----------------|-----------------|
| <b>Consumer Discretionary - 1.6%</b>             |  |                 |                 |
| \$ 500   | Boston Industrial Development Financing Authority, Massachusetts, Senior Revenue Bonds, Crosstown Center Project, Series 2002, 6.500%, 9/01/35 (Alternative Minimum Tax) | 9/12 at 102.00  | Baa3 \$ 495,065 |
| <b>Education and Civic Organizations - 29.8%</b> |  |                 |                 |
| 1,200  | Massachusetts Educational Financing Authority, Educational Loan Revenue Bonds, Series 2001E, 5.300%, 1/01/16 (Alternative Minimum Tax) - AMBAC Insured                   | 7/10 at 100.00  | AAA 1,236,348   |
| 1,000  | Massachusetts Development Finance Authority, Revenue Refunding Bonds, Boston University, Series 1999P, 6.000%, 5/15/59   | 5/29 at 105.00  | A3 1,129,340    |
| 500  | Massachusetts Development Finance Authority, Revenue Bonds, Milton Academy, Series 2003A, 5.000%, 9/01/19  | 9/13 at 100.00  | AA- 542,435     |
| 1,000  | Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Boston College, Series 2003N, 5.250%, 6/01/18  | 6/13 at 100.00  | AA- 1,090,300   |
| 2,000  | Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Tufts University, Series 2001I, 5.500%, 2/15/36  | 2/11 at 100.00  | AA- 2,149,040   |
| 500  | Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Massachusetts Institute of Technology, Series 2004M, 5.250%, 7/01/15                           | No Opt. Call    | AAA 572,720     |
| 1,250  | University of Massachusetts Building Authority, Senior Lien Project Revenue Bonds, Series 2000-2, 5.250%, 11/01/20 - AMBAC Insured                                       | 11/10 at 100.00 | AAA 1,361,213   |
| 600  | University of Massachusetts Building Authority, Senior Lien Project Revenue Bonds, Series 2003-1, 5.250%, 11/01/18 - AMBAC Insured                                       | 11/13 at 100.00 | AAA 661,164     |
| 250  | University of Massachusetts Building Authority, Senior Lien Project Revenue Bonds, Series 2004-1, 5.250%, 11/01/24 - AMBAC Insured                                       | 11/14 at 100.00 | AAA 266,935     |
| <b>Healthcare - 13.4%</b>                        |  |                 |                 |
| 1,000  | Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Partners HealthCare System Inc., Series 1999B, 5.125%, 7/01/19                                 | 7/09 at 101.00  | AA- 1,042,410   |
| 1,000  | Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Partners HealthCare System Inc., Series 2001C, 5.750%, 7/01/32                                 | 7/11 at 101.00  | AA- 1,061,680   |
| 500  | Massachusetts Health and Educational Facilities Authority, Revenue Bonds, UMass Memorial Health Care, Series 2001C, 6.625%, 7/01/32                                      | 7/11 at 100.00  | BBB 520,235     |
| 375  | Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Covenant Health Systems Obligated Group, Series 2002, 6.000%, 7/01/31                          | 1/12 at 101.00  | A- 393,187      |
| 1,000  | Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Berkshire Health System,   | 10/11 at 101.00 | BBB+ 1,035,290  |

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| Principal                             |  | Optional Call   |      | Market    |
|---------------------------------------|--|-----------------|------|-----------|
|                                       | Series 2001E, 6.250%, 10/01/31   |                 |      |           |
| <b>Housing/Multifamily - 13.1%</b>    |  |                 |      |           |
| 1,000                                 | Massachusetts Development Finance Authority, GNMA Collateralized Assisted Living Facility Revenue Bonds, Arbors at Chicopee, Series 2001A, 6.250%, 9/20/42 (Alternative Minimum Tax) | 3/12 at 105.00  | AAA  | 1,089,700 |
| 1,250                                 | Massachusetts Housing Finance Agency, Rental Housing Mortgage Revenue Bonds, Series 2001A, 5.850%, 7/01/35 (Alternative Minimum Tax) - AMBAC Insured                                 | 1/11 at 100.00  | AAA  | 1,302,638 |
| 500                                   | Massachusetts Housing Finance Agency, Housing Revenue Bonds, Series 2003S, 5.050%, 12/01/23 (Alternative Minimum Tax)  | 6/13 at 100.00  | AA-  | 507,130   |
| 1,000                                 | Somerville Housing Authority, Massachusetts, GNMA Collateralized Mortgage Revenue Bonds, Clarendon Hill Towers, Series 2002, 5.200%, 11/20/22  | 5/12 at 103.00  | AAA  | 1,064,900 |
| <b>Housing/Single Family - 4.8%</b>   |  |                 |      |           |
| 570                                   | Massachusetts Housing Finance Agency, Single Family Housing Revenue Bonds, Series 36, 6.600%, 12/01/26 (Alternative Minimum Tax)   | 12/04 at 102.00 | AA   | 583,047   |
| 840                                   | Massachusetts Housing Finance Agency, Single Family Housing Revenue Bonds, Series 82, 5.375%, 12/01/20 (Alternative Minimum Tax) - FSA Insured                                       | 6/10 at 100.00  | AAA  | 875,515   |
| <b>Industrials - 0.7%</b>             |  |                 |      |           |
| 200                                   | Massachusetts Development Finance Agency, Solid Waste Disposal Revenue Bonds, Waste Management Inc., Series 2003, 5.450%, 6/01/14  | No Opt. Call    | BBB  | 208,430   |
| <b>Long-Term Care - 2.3%</b>          |  |                 |      |           |
| 655                                   | Massachusetts Development Finance Authority, First Mortgage Revenue Bonds, Berkshire Retirement Community - Edgcombe Project, Series 2001A, 6.750%, 7/01/21                          | 7/11 at 102.00  | BBB- | 685,536   |
| <b>Tax Obligation/General - 34.1%</b> |  |                 |      |           |
| 1,000                                 | Boston, Massachusetts, General Obligation Bonds, Series 2001A, 5.000%, 2/01/20   | 2/11 at 100.00  | AA   | 1,059,730 |
| 2,000                                 | Brookline, Massachusetts, General Obligation Bonds, Series 2000, 5.375%, 4/01/17   | 4/10 at 101.00  | Aaa  | 2,240,880 |
| 500                                   | East Longmeadow, Massachusetts, General Obligation Bonds, Series 2001, 5.000%, 8/01/14 - AMBAC Insured   | 8/11 at 101.00  | Aaa  | 551,715   |
| 440                                   | Fall River, Massachusetts, General Obligation Bonds, Series 2003, 5.000%, 2/01/21 - FSA Insured  | 2/13 at 101.00  | AAA  | 469,423   |
| 1,675                                 | Lawrence, Massachusetts, General Obligation Bonds, Series 2001, 5.000%, 2/01/21 - AMBAC Insured  | 2/11 at 100.00  | Aaa  | 1,769,303 |
| 1,095                                 | Lynn, Massachusetts, General Obligation Bonds, Series 2001, 5.375%, 8/15/12 - FGIC Insured   | 8/11 at 101.00  | Aaa  | 1,243,811 |
| 750                                   | Massachusetts, General Obligation Bonds, Consolidated Loan, Series 2002D, 5.500%, 8/01/19  | No Opt. Call    | Aa2  | 861,285   |
| 500                                   |  | 8/14 at 100.00  | Aa2  | 519,195   |

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| Principal                             |   | Optional Call   |     | Market    |
|---------------------------------------|---|-----------------|-----|-----------|
|                                       | Massachusetts, General Obligation Bonds, Consolidated Loan, Series 2004B, 5.000%, 8/01/24   |                 |     |           |
| 500                                   | Norwell, Massachusetts, General Obligation Bonds, Series 2003, 5.000%, 11/15/20 - FGIC Insured  | No Opt. Call    | AAA | 555,065   |
| 500                                   | Springfield, Massachusetts, General Obligation Bonds, Series 2003:<br>5.250%, 1/15/15 - MBIA Insured  | 1/13 at 100.00  | AAA | 558,200   |
| 500                                   | 5.250%, 1/15/23 - MBIA Insured  | 1/13 at 100.00  | AAA | 537,260   |
| <b>Tax Obligation/Limited - 20.5%</b> |   |                 |     |           |
| 1,000                                 | Massachusetts Bay Transportation Authority, Assessment Bonds, Series 2000A, 5.250%, 7/01/30   | 7/10 at 100.00  | AAA | 1,053,500 |
| 385                                   | Massachusetts Bay Transportation Authority, Senior Lien Sales Tax Revenue Bonds, Series 2004C, 5.250%, 7/01/21  | No Opt. Call    | AAA | 434,661   |
| 230                                   | Massachusetts College Building Authority, Project Revenue Bonds, Series 2004A, 5.000%, 5/01/19 - MBIA Insured   | 5/14 at 100.00  | AAA | 247,036   |
| 750                                   | Massachusetts, Special Obligation Dedicated Tax Revenue Bonds, Series 2004, 5.250%, 1/01/25 - FGIC Insured  | 1/14 at 100.00  | AAA | 796,845   |
| 1,250                                 | Massachusetts, Special Obligation Refunding Notes, Federal Highway Grant Anticipation Note Program, Series 2003A, 5.000%, 12/15/13 - FSA Insured                      | No Opt. Call    | Aaa | 1,378,550 |
| 1,000                                 | Puerto Rico Municipal Finance Agency, Series 1999A, 6.000%, 8/01/16 - FSA Insured   | 8/09 at 101.00  | AAA | 1,148,010 |
| 1,000                                 | Virgin Islands Public Finance Authority, Gross Receipts Taxes Loan Notes, Series 1999A, 6.375%, 10/01/19  | 10/10 at 101.00 | BBB | 1,136,680 |
| <b>Transportation - 3.6%</b>          |   |                 |     |           |
| 1,000                                 | Massachusetts Port Authority, Special Facilities Revenue Bonds, BOSFUEL Corporation, Series 1997, 5.500%, 7/01/18 (Alternative Minimum Tax) - MBIA Insured            | 7/07 at 102.00  | AAA | 1,075,980 |
| <b>U.S. Guaranteed*** - 7.4%</b>      |   |                 |     |           |
| 1,000                                 | Puerto Rico, The Children's Trust Fund, Tobacco Settlement Asset-Backed Bonds, Series 2000, 6.000%, 7/01/26 (Pre-refunded to 7/01/10)                                 | 7/10 at 100.00  | AAA | 1,164,350 |
| 1,000                                 | Puerto Rico Infrastructure Financing Authority, Special Obligation Bonds, Series 2000A, 5.500%, 10/01/40  | 10/10 at 101.00 | AAA | 1,078,280 |
| <b>Utilities - 5.6%</b>               |   |                 |     |           |
| 1,070                                 | Massachusetts Development Finance Agency, Resource Recovery Revenue Bonds, SEMass System, Series 2001A, 5.625%, 1/01/14 - MBIA Insured                                | 1/12 at 101.00  | AAA | 1,203,846 |
| 500                                   | Massachusetts Industrial Finance Agency, Resource Recovery Revenue Refunding Bonds, Ogden Haverhill Project, Series 1998A, 5.600%, 12/01/19 (Alternative Minimum Tax) | 12/08 at 102.00 | BBB | 497,770   |
| <b>Water and Sewer - 9.3%</b>         |   |                 |     |           |
| 530                                   |   | 11/14 at 100.00 | AA  | 549,425   |

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| Principal |  | Optional Call  | Market        |
|-----------|--|----------------|---------------|
|           | Boston Water and Sewer Commission, Massachusetts, General Revenue Bonds, Senior Series 2004A, 5.000%, 11/01/25             |                |               |
| 1,750     | Massachusetts Water Pollution Abatement Trust, Revenue Bonds, MWRA Loan Program, Subordinate Series 1999A, 5.750%, 8/01/29 | 8/09 at 101.00 | AAA 1,934,695 |
| 300       | Massachusetts Water Resources Authority, General Revenue Bonds, Series 2000A, 5.750%, 8/01/30 - FGIC Insured               | 8/10 at 101.00 | AAA 330,947   |
| <hr/>     |  |                |               |
| \$ 40,915 | Total Long-Term Investments (cost \$42,062,128) - 146.2%   |                | 44,270,700    |
| <hr/>     |  |                |               |
|           | Other Assets Less Liabilities - 3.3%   |                | 1,012,226     |
| <hr/>     |  |                |               |
|           | Preferred Shares, at Liquidation Value - (49.5)%   |                | (15,000,000)  |
| <hr/>     |  |                |               |
|           | Net Assets Applicable to Common Shares - 100%  |                | \$30,282,926  |
| <hr/>     |  |                |               |

- (1) All percentages shown in the Portfolio of Investments are based on net assets applicable to Common shares.
- \* Optional Call Provisions: Dates (month and year) and prices of the earliest optional call or redemption. There may be other call provisions at varying prices at later dates.
  - \*\* Ratings: Using the higher of Standard & Poor's or Moody's rating.
  - \*\*\* Securities are backed by an escrow or trust containing sufficient U.S. Government or U.S. Government agency securities which ensures the timely payment of principal and interest. Such securities are normally considered to be equivalent to AAA rated securities.

**Income Tax Information**

The following information is presented on an income tax basis. Differences between amounts for financial statement and federal income tax purposes are primarily due to timing differences in recognizing income on taxable market discount securities and timing differences in recognizing certain gains and losses on security transactions.

At August 31, 2004, the cost of investments was \$42,049,199. Gross unrealized appreciation and gross unrealized depreciation of investments at August 31, 2004, were as follows:  
Gross unrealized:

|  |             |
|--|-------------|
| Appreciation                               | \$2,234,617 |
| Depreciation                               | (13,116)    |
| <hr/>                                      |             |
| Net unrealized appreciation of investments | \$2,221,501 |

**Item 2. Controls and Procedures.**

- a. The registrant's principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the "1940 Act") (17 CFR 270.30a-3(c))) are effective, as of a date within 90 days of the filing date of this report that includes the disclosure required by this paragraph, based on their evaluation of the controls and procedures required by Rule 30a-3(b) under the 1940 Act (17 CFR 270.30a-3(b)) and Rule 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934, (17 CFR 240.13a-15(b) or 240.15d-15(b)).

- b. There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act (17 CFR 270.30a-3(d)) that occurred during the registrant's last fiscal quarter that has materially affected, or is 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(a)), exactly as set forth below: EX-99 CERT Attached hereto.

## 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) Nuveen Massachusetts Dividend Advantage Municipal Fund

By (Signature and Title)\* /s/ Jessica R. Droeger--Vice President and Secretary

Date 10/29/04

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)\* /s/ Gifford R. Zimmerman--Chief Administrative Officer (Principal Executive Officer)

Date 10/29/04

By (Signature and Title)\* /s/ Stephen D. Foy--Vice President and Controller (Principal Financial Officer)

Date 10/29/04

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