NUVEEN MASSACHUSETTS DIVIDEND ADVANTAGE MUNICIPAL FUND Form N-Q April 29, 2011

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)

Nuveen Investments 333 West Wacker Drive, Chicago, Illinois 60606 (Address of principal executive offices) (Zip code)

Kevin J. McCarthy
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: 5/31

Date of reporting period: 2/28/11

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) February 28, 2011

		Optional		
Principal		Call		
Amount		Provisions	Ratings	
(000)	Description (1)	(2)	_	Value
()	Consumer Discretionary – 0.9% (0.6% of Total Investments)	()	(-)	
	Boston Industrial Development Financing Authority, Massachusetts,	9/12 at		
\$ 480	Senior Revenue Bonds,	102.00	Caa3	\$ 240,931
Ψ 100	Crosstown Center Project, Series 2002, 6.500%, 9/01/35 (Alternative	102.00	Cuus	Ψ 2.0,551
	Minimum Tax)			
	Education and Civic Organizations – 41.0% (27.7% of Total			
	Investments)			
	Massachusetts Development Finance Agency, Revenue Bonds,	10/19 at		
375	Boston University, Series 2009V-1,	100.00	A	375,761
373	5.000%, 10/01/29	100.00	11	373,701
	Massachusetts Development Finance Agency, Revenue Bonds,	No Opt.		
85	Draper Laboratory, Series 2008,	Call	Aa3	89,039
03	5.875%, 9/01/30	Culi	7143	07,037
	Massachusetts Development Finance Agency, Revenue Bonds,	1/20 at		
400	Emerson College, Series 2010A,	100.00	A-	359,520
400	5.000%, 1/01/40	100.00	11	337,320
	Massachusetts Development Finance Agency, Revenue Bonds,	9/17 at		
450	Worcester Polytechnic Institute,	100.00	A+	418,797
430	Series 2007, 5.000%, 9/01/37 – NPFG Insured	100.00	111	410,777
	Massachusetts Development Finance Authority, Revenue Bonds,	7/15 at		
495	Massachusetts College of Pharmacy	100.00	AA+	503,168
7/3	and Allied Health Sciences, Series 2005D, 5.000%, 7/01/27 – AGC	100.00	7 17 1	303,100
	Insured			
	Massachusetts Development Finance Authority, Revenue Bonds,	No Opt.		
500	WGBH Educational Foundation,	Call	A	481,465
300	Series 2002A, 5.750%, 1/01/42 – AMBAC Insured	Can	11	401,403
	Massachusetts Development Finance Authority, Revenue Bonds,	1/18 at		
2 100	WGBH Educational Foundation,	100.00	AA+	1,966,902
2,100	5.000%, 1/01/42 – AGC Insured (UB)	100.00	7171	1,700,702
	Massachusetts Development Finance Authority, Revenue Refunding	5/29 at		
1 000	Bonds, Boston University,	105.00	A2	1,050,440
1,000	Series 1999P, 6.000%, 5/15/59	105.00	112	1,030,110
	Massachusetts Educational Finance Authority, Educational Loan	7/11 at		
990	Revenue Bonds, Series 2001E,	100.00	AA	991,475
770	5.300%, 1/01/16 – AMBAC Insured (Alternative Minimum Tax)	100.00	1 11 1	771,473
	Massachusetts Educational Financing Authority, Educaton Loan	1/18 at		
625		100.00	AA+	640,763
023	Terenae Donas, Berres 200011,	100.00	1 1 1 1 Γ	0.70,703

	6.350%, 1/01/30 – AGC Insured (Alternative Minimum Tax) Massachusetts Health and Educational Facilities Authority, Revenue	6/13 at		
1,000	Bonds, Boston College, Series 2003N, 5.250%, 6/01/18	100.00	AA-	1,068,750
500	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Springfield College,	10/19 at 100.00	Baa1	496,310
300	Series 2010, 5.500%, 10/15/31		Daar	470,510
1,500	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Wheaton College	No Opt. Call	A2	1,405,125
-,	Issues, Series 2010F, 5.000%, 1/01/41			-,,
590	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Williams College,	7/16 at 100.00	AAA	602,567
	Series 2007L, 5.000%, 7/01/31	7/19 at		
500	Massachusetts Health and Educational Facilities Authority, Revenue Refunding Bonds, Suffolk	100.00	BBB	488,680
11,110	University Issue, Series 2009A, 5.750%, 7/01/39 Total Education and Civic Organizations			10,938,762
11,110	Health Care – 32.4% (21.8% of Total Investments)			10,730,702
	Massachusetts Development Finance Agency, Revenue Bonds,	7/20 at		
1,200	Partners HealthCare System, Series 2011K-6, 5.375%, 7/01/41	100.00	AA	1,202,088
	Massachusetts Health and Educational Facilities Authority Revenue	1/18 at		
500	Bonds, Quincy Medical Center	100.00	N/R	408,695
	Issue, Series 2008A, 6.500%, 1/15/38			
500	Massachusetts Health and Educational Facilities Authority, Revenue	10/11 at	DDD.	500 700
500	Bonds, Berkshire Health System, Series 2001E, 6.250%, 10/01/31	101.00	BBB+	500,790
	Massachusetts Health and Educational Facilities Authority, Revenue	8/18 at		
775	Bonds, Caregroup Inc.,	100.00	A3	776,093
	Series B1 Capital Asset Program Converted June 13,2008, 5.375%, 2/01/26 – NPFG Insured			,
	Massachusetts Health and Educational Facilities Authority, Revenue	8/18 at		
500	Bonds, Caregroup Inc.,	100.00	A3	496,545
	Series B2, Capital Asset Program, Converted June 9, 2009, 5.375%, 2/01/27 – NPFG Insured			
	Massachusetts Health and Educational Facilities Authority, Revenue	12/19 at		
1,000	, ,	100.00	AA	1,011,680
	Series 2009M, 5.500%, 12/01/39 Massachweatta Health and Edwardianal Facilities Authority Payanus	1/12 at		
205	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Covenant Health	1/12 at 101.00	A	294,286
273	Systems Obligated Group, Series 2002, 6.000%, 7/01/31	101.00	71	274,200
	Massachusetts Health and Educational Facilities Authority, Revenue			
	Bonds, Emerson Hospital,			
	Series 2005E:			
7.70	5.000% 0.4505 P.A.A.	8/15 at) I (D)	451.050
550	5.000%, 8/15/25 – RAAI Insured	100.00	N/R	471,070
315	5.000%, 8/15/35 – RAAI Insured	8/15 at 100.00	N/R	241,712
515	Massachusetts Health and Educational Facilities Authority, Revenue	8/15 at	1 1/10	∠¬1,/1∠
600	Bonds, Lahey Clinic Medical	100.00	A+	608,850
	Center, Series 2005C, 5.000%, 8/15/21 – FGIC Insured			

1,000	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Lahey Medical Center, Series 2007D, 5.250%, 8/15/28	8/17 at 100.00	A+	984,260
290	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Milford Regional Medical Center, Series 2007E, 5.000%, 7/15/32	7/17 at 100.00	BBB-	236,643
500	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Milton Hospital Project, Series 2005D, 5.250%, 7/01/30	7/15 at 100.00	BB-	358,455
500	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, Northern Berkshire Community Services Inc., Series 2004B, 6.375%, 7/01/34 (4)	7/14 at 100.00	CCC	249,800
35	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	35,194
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+	501,435
285	Massachusetts Health and Educational Facilities Authority, Revenue Bonds, UMass Memorial Health Care, Series 2005D, 5.000%, 7/01/33	7/15 at 100.00	BBB+	256,625
9,345	Total Health Care Housing/Multifamily – 7.8% (5.3% of Total Investments)			8,634,221
565	Massachusetts Development Finance Authority, Multifamily Housing Revenue Bonds, Emerson Manor Project, Series 2007, 4.800%, 7/20/48	7/17 at 100.00	ВВ	509,500
500	Massachusetts Housing Finance Agency, Housing Revenue Bonds,	6/13 at 100.00	AA-	493,030
55	Massachusetts Housing Finance Agency, Rental Housing Mortgage Revenue Bonds, Series 2001A, 5.850%, 7/01/35 – AMBAC Insured (Alternative Minimum Tax)	7/11 at 100.00	N/R	52,526
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	N/R	1,027,420
2,120	Total Housing/Multifamily Housing/Single Family – 4.0% (2.7% of Total Investments)			2,082,476
650	Massachusetts Housing Finance Agency, Single Family Housing Revenue Bonds, Series 2006-126, 4.625%, 6/01/32 (Alternative Minimum Tax)	6/16 at 100.00	AA	572,494
480	Massachusetts Housing Finance Agency, Single Family Housing Revenue Bonds, Series 2008, Trust 3145, 15.288%, 6/01/16 (IF)	No Opt. Call	AA	487,032
1,130	Total Housing/Single Family Industrials – 1.2% (0.8% of Total Investments)			1,059,526
125	Massachusetts Development Finance Agency, Pioneer Valley Resource Recovery Revenue Bonds, Eco/Springfield LLC, Series 2006, 5.875%, 7/01/14 (Alternative	No Opt. Call	N/R	118,655
200	Minimum Tax) Massachusetts Development Finance Agency, Solid Waste Disposal Revenue Bonds, Waste Management	No Opt. Call	BBB	211,016

325	Inc., Series 2003, 5.450%, 6/01/14 Total Industrials			329,671
	Long-Term Care – 8.7% (5.9% of Total Investments)			,
	Massachusetts Development Finance Agency, Revenue Bonds,	12/19 at		
100	Carleton-Willard Village, Series	100.00	A-	95,795
	2010, 5.625%, 12/01/30			
	Massachusetts Development Finance Agency, Revenue Bonds,	10/12 at		
725	Orchard Cove, Series 2007,	102.00	N/R	582,436
	5.250%, 10/01/26			
	Massachusetts Development Finance Authority, First Mortgage	7/11 at		
655	Revenue Bonds, Berkshire	102.00	BBB	665,945
	Retirement Community – Edgecombe Project, Series 2001A, 6.750%,			
	7/01/21			
	Massachusetts Development Finance Authority, GNMA	3/12 at		
1,000	Collateralized Assisted Living Facility	105.00	AAA	980,380
	Revenue Bonds, Arbors at Chicopee, Series 2001A, 6.250%, 9/20/42			
• 400	(Alternative Minimum Tax)			
2,480	Total Long-Term Care			2,324,556
	Tax Obligation/General – 15.6% (10.5% of Total Investments)	5.11.5		
210	Ashland, Massachusetts, General Obligation Bonds, Series 2004,	5/15 at		226 100
310	5.250%, 5/15/23 – AMBAC Insured	100.00	Aa2	326,198
1.10	Fall River, Massachusetts, General Obligation Bonds, Series 2003,	2/13 at	A A .	454 202
440	5.000%, 2/01/21 – AGM Insured	101.00	AA+	454,282
1 000	Hampden-Wilbraham Regional School District, Hampden County,	2/21 at	A - 2	1 001 150
1,000	Massachusetts, General Obligation	100.00	Aa3	1,001,150
	Bonds, Series 2011, 5.000%, 2/15/41 Norwell, Massachusetts, General Obligation Bonds, Series 2003,	No Opt.		
500	5.000%, 11/15/20 – FGIC Insured	Call	AAA	583,885
300	Puerto Rico, General Obligation and Public Improvement Bonds,	No Opt.	ААА	363,663
500	Series 2002A, 5.500%, 7/01/29 –	Call	A3	485,355
300	FGIC Insured	Can	113	405,555
	Quincy, Massachusetts, General Obligation Bonds, Series 2011,	12/20 at		
1 280	5.125%, 12/01/33	100.00	Aa2	1,308,710
	Total Tax Obligation/General	100.00	1142	4,159,580
.,020	Tax Obligation/Limited – 12.0% (8.1% of Total Investments)			.,10>,000
	Martha's Vineyard Land Bank, Massachusetts, Revenue Bonds,	5/14 at		
395	Series 2004, 5.000%, 5/01/26 –	100.00	A	395,893
	AMBAC Insured			-
	Massachusetts Bay Transportation Authority, Senior Lien Sales Tax	No Opt.		
385	Revenue Refunding Bonds,	Call	AAA	454,007
	Series 2004C, 5.250%, 7/01/21			
	Massachusetts College Building Authority, Project Revenue Bonds,	5/14 at		
230	Series 2004A, 5.000%,	100.00	Aa2	248,241
	5/01/19 – NPFG Insured			
	Massachusetts College Building Authority, Project Revenue Bonds,	5/16 at		
250	Series 2006A, 5.000%,	100.00	Aa2	252,193
	5/01/31 – AMBAC Insured			
	Massachusetts College Building Authority, Project Revenue Bonds,	5/18 at		
550	Series 2008A, 5.000%,	100.00	AA+	552,431
500	5/01/33 – AGC Insured			F 4 6 400
500			AA+	546,490

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	Massachusetts School Building Authority, Dedicated Sales Tax Revenue Bonds, Series 2005A,	8/15 at 100.00		
	5.000%, 8/15/20 – AGM Insured	N. O.		
	Massachusetts State, Special Obligation Dedicated Tax Revenue	No Opt.		
230	Bonds, Series 2005, 5.000%,	Call	A1	251,818
	1/01/20 – FGIC Insured			
	Virgin Islands Public Finance Authority, Gross Receipts Taxes Loan	4/11 at		
500	Note, Series 1999A,	101.00	BBB+	505,845
	6.375%, 10/01/19			
3,040	Total Tax Obligation/Limited			3,206,918
	Transportation – 3.2% (2.2% of Total Investments)			
	Massachusetts Port Authority, Airport System Revenue Bonds,	7/20 at		
500	Series 2010A, 5.000%, 7/01/30	100.00	AA-	507,235
	Massachusetts Port Authority, Special Facilities Revenue Bonds,	7/17 at		
400	BOSFUEL Corporation, Series	100.00	A3	355,924
100	2007, 5.000%, 7/01/32 – FGIC Insured (Alternative Minimum Tax)	100.00	113	333,721
900	Total Transportation			863,159
700	U.S. Guaranteed – 6.4% (4.3% of Total Investments) (5)			003,137
	Massachusetts Development Finance Authority, Revenue Bonds,	9/13 at		
500	Milton Academy, Series 2003A,		A A (5)	551 000
300	· · · · · · · · · · · · · · · · · · ·	100.00	AA-(5)	551,890
	5.000%, 9/01/19 (Pre-refunded 9/01/13)	1/10		
0.0	Massachusetts Health and Educational Facilities Authority, Revenue	1/12 at	A (5)	04.560
80	Bonds, Covenant Health	101.00	A (5)	84,568
	Systems Obligated Group, Series 2002, 6.000%, 7/01/31			
	(Pre-refunded 1/01/12)			
	Massachusetts Health and Educational Facilities Authority, Revenue	7/11 at		
215	Bonds, Partners HealthCare	101.00	AAA	221,140
	System Inc., Series 2001C, 5.750%, 7/01/32 (Pre-refunded 7/01/11)			
	Massachusetts State, Special Obligation Dedicated Tax Revenue	1/14 at		
750	Bonds, Series 2004, 5.250%,	100.00	A1 (5)	838,740
	1/01/25 (Pre-refunded 1/01/14) – FGIC Insured			
1,545	Total U.S. Guaranteed			1,696,338
	Utilities – 6.0% (4.0% of Total Investments)			
	Massachusetts Development Finance Agency, Resource Recovery	1/12 at		
1,070	Revenue Bonds, SEMass System,	101.00	Baa1	1,096,911
	Series 2001A, 5.625%, 1/01/14 – NPFG Insured			
	Massachusetts Industrial Finance Agency, Resource Recovery	6/11 at		
500	Revenue Refunding Bonds, Ogden	100.00	A-	501,055
	Haverhill Project, Series 1998A, 5.600%, 12/01/19 (Alternative			
	Minimum Tax)			
1,570	Total Utilities			1,597,966
	Water and Sewer – 9.0% (6.1% of Total Investments)			
	Boston Water and Sewerage Commission, Massachusetts, General	11/14 at		
530	Revenue Bonds, Senior Series	100.00	AA+	552,096
	2004A, 5.000%, 11/01/25			
	Guam Government Waterworks Authority, Water and Wastewater	7/15 at		
125	System Revenue Bonds, Series 2005,	100.00	Ba2	121,676
-	6.000%, 7/01/25			,
	Massachusetts Water Pollution Abatement Trust, Pooled Loan	8/15 at		
500	Program Bonds, Series 2005-11,	100.00	AAA	505,280
	4.500%, 8/01/29			-

400	Massachusetts Water Pollution Abatement Trust, Pooled Loan Program Bonds, Series 2006-12, 4.375%, 8/01/31	8/16 at 100.00	AAA	399,452
500	Massachusetts Water Pollution Abatement Trust, Revenue Bonds, MWRA Loan Program, Series 2002A, 5.250%, 8/01/20	8/12 at 100.00	AAA	527,840
105	Massachusetts Water Pollution Abatement Trust, Revenue Bonds,	8/11 at		105 200
105	MWRA Loan Program, Subordinate Series 1999A, 5.750%, 8/01/29	100.00	AAA	105,309
	Massachusetts Water Resources Authority, General Revenue Bonds,	8/16 at		
250	Series 2006A, 4.000%, 8/01/46	100.00	AA+	202,552
2,410	Total Water and Sewer			2,414,205
\$ 40,485	Total Investments (cost \$40,754,766) – 148.2%			39,548,309
	Floating Rate Obligations – (3.9)%			(1,050,000)
	MuniFund Term Preferred Shares, at Liquidation Value – (55.2)% (6	5)	((14,725,000)
	Other Assets Less Liabilities – 10.9%			2,903,863
	Net Assets Applicable to Common Shares – 100%		\$	5 26,677,172

Fair Value Measurements

Fair value is defined as the price that the Fund would receive upon selling an investment or transferring a liability in an orderly transaction to an independent buyer in the principal or most advantageous market of the investment. A three-tier hierarchy is used to maximize the use of observable market data and minimize the use of unobservable inputs and to establish classification of fair value measurements for disclosure purposes. Observable inputs reflect the assumptions market participants would use in pricing the asset or liability. Observable inputs are based on market data obtained from sources independent of the reporting entity. Unobservable inputs reflect the reporting entity's own assumptions about the assumptions market participants would use in pricing the asset or liability. Unobservable inputs are based on the best information available in the circumstances. The three-tier hierarchy of inputs is summarized in the three broad levels listed below:

Level 1 – Quoted prices in active markets for identical securities.

Level 2 – Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

Level 3 – Significant unobservable inputs (including management's assumptions in determining the fair value of investments).

The inputs or methodologies used for valuing securities are not an indication of the risk associated with investing in those securities. The following is a summary of the Fund's fair value measurements as of February 28, 2011:

	Level 1	Level 2	Level 3	Total
Investments:				
Municipal Bonds	\$ —	- \$39,548,309	\$ —	- \$39,548,309

The following is a reconciliation of the Fund's Level 3 investments held at the beginning and end of the measurement period:

Balance at the beginning of period	Level 3 Municipal Bonds \$ 688,820
Gains (losses): Net realized gains (losses)	(149,533)
Net change in unrealized appreciation (depreciation) Purchases at cost	311,180
Sales at proceeds Net discounts (premiums)	(850,467)

Transfers Into	_
Transfers out of	
Balance at the end of period	\$
During the period ended February 28, 2011, the Fund recognized no significant transfers to/from Level 1,	
Level 2 or Level 3.	

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 taxable market discount, timing differences in recognizing certain gains and losses on investment transactions and the treatment of investments in inverse floating rate securities reflected as financing transactions, if any. To the extent that differences arise that are permanent in nature, such amounts are reclassified within the capital accounts on the Statement of Assets and Liabilities presented in the annual report, based on their federal tax basis treatment; temporary differences do not require reclassification. Temporary and permanent differences do not impact the net asset value of the Fund.

At February 28, 2011, the cost of investments was \$39,676,018.

Gross unrealized appreciation and gross unrealized depreciation of investments at February 28, 2011, were as follows:

Gross unrealized:

Appreciation \$ 659,001
Depreciation (1,836,710)
Net unrealized appreciation (depreciation) of investments \$(1,177,709)

- (1) All percentages shown in the Portfolio of Investments are based on net assets applicable to Common shares unless otherwise noted.
- (2) 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. Certain mortgage-backed securities may be subject to periodic principal paydowns.
- (3) Ratings: Using the highest of Standard & Poor's Group ("Standard & Poor's"), Moody's Investor Service, Inc. ("Moody's") or Fitch, Inc. ("Fitch") rating. Ratings below BBB by Standard & Poor's, Baa by Moody's or BBB by Fitch are considered to be below investment grade. Holdings designated N/R are not rated by
 - any of these national rating agencies.
- (4) The Fund's Adviser has concluded this issue is not likely to meet its future interest payment obligations and has directed the Fund's custodian to cease accruing additional income on the Fund's records.

 Backed by an escrow or trust containing sufficient U.S. Government or U.S. Government agency
- (5) securities, which ensure the timely payment of principal and interest. Such investments are normally considered to be equivalent to AAA rated securities.
- (6) MuniFund Term Preferred Shares, at Liquidation Value as a percentage of Total Investments is 37.2%.
- N/R Not rated.
- (IF) Inverse floating rate investment.
- (UB) Underlying bond of an inverse floating rate trust reflected as a financing transaction.

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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 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 1940 Act (17 CFR 270.30a-2(a)), exactly as set forth below: See 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/ Kevin J. McCarthy

Kevin J. McCarthy

Vice President and Secretary

Date April 29, 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) /s/ Gifford R. Zimmerman

Gifford R. Zimmerman

Chief Administrative Officer (principal executive officer)

Date April 29, 2011

By (Signature and Title) /s/ Stephen D. Foy

Stephen D. Foy

Vice President and Controller (principal financial officer)

Date April 29, 2011