NUVEEN INSURED NEW YORK TAX FREE ADVANTAGE MUNICIPAL FUND Form N-Q August 29, 2011

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

## FORM N-O

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

Investment Company Act file number 811-21211

Nuveen Insured New York Tax-Free 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: 9/30

Date of reporting period: 6/30/11

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.

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## Item 1. Schedule of Investments

Portfolio of Investments (Unaudited) Nuveen Insured New York Tax-Free Advantage Municipal Fund (NRK) June 30, 2011

	June 30, 2011	0 .: 1		
<b>D</b> · · · ·		Optional		
Principal		Call	<b>.</b> .	
Amount		Provisions	Ratings	
(000)	Description (1)	(2)	(3) V	'alue
	Consumer Staples – 3.3% (2.1% of Total Investments)			
	New York Counties Tobacco Trust III, Tobacco Settlement	6/13 at		\$
\$ 1,500	Pass-Through Bonds, Series 2003,	100.00	BBB	1,404,270
	5.750%, 6/01/33			
	Puerto Rico, The Children's Trust Fund, Tobacco Settlement	5/12 at		
285	Asset-Backed Refunding Bonds,	100.00	BBB	261,815
	Series 2002, 5.375%, 5/15/33			
1,785	Total Consumer Staples			1,666,085
	Education and Civic Organizations – 30.2% (19.6% of Total			
	Investments)			
	Dormitory Authority of the State of New York, General Revenue	7/17 at		
3,400	Bonds, Saint Johns University,	100.00	A-	3,453,278
,	Series 2007A, 5.250%, 7/01/32 – NPFG Insured			, ,
	Dormitory Authority of the State of New York, Insured Revenue	9/12 at		
2,000	Bonds, Long Island University,	100.00	Baa3	1,971,600
_, -,	Series 2003A, 5.000%, 9/01/32 – RAAI Insured			-,,,
	Dormitory Authority of the State of New York, Insured Revenue	No Opt.		
2 000	Bonds, Mount Sinai School of	Call	Α_	2,079,300
2,000	Medicine, Series 1994A, 5.150%, 7/01/24 – NPFG Insured	Cun	7.1	2,077,500
	Dormitory Authority of the State of New York, Lease Revenue	No Opt.		
1 000	Bonds, State University Dormitory	Call	Δ Δ _	1,078,150
1,000	Facilities, Series 2003B, 5.250%, 7/01/32 (Mandatory put 7/01/13) –	Can	AA-	1,070,130
	SYNCORA GTY Insured			
	Dormitory Authority of the State of New York, Lease Revenue	7/16 at		
410	Bonds, State University Dormitory	100.00	Aa2	417,712
410	Facilities, Series 2006A, 5.000%, 7/01/31 – NPFG Insured	100.00	Aaz	417,712
		7/17 of		
1 000	Dormitory Authority of the State of New York, Revenue Bonds,	7/17 at 100.00	מממ	1 041 250
1,000	Barnard College, Series 2007A,	100.00	BBB	1,041,250
	5.000%, 7/01/25 – FGIC Insured	7/12 -4		
1 000	Dormitory Authority of the State of New York, Revenue Bonds,	7/13 at	NI/D	057 200
1,000	Mount St. Mary College, Series	100.00	N/R	957,380
	2003, 5.000%, 7/01/32 – RAAI Insured			
	Dormitory Authority of the State of New York, Revenue Bonds,			
	Rochester Institute of			
	Technology, Series 2006A:	N. 6		
400	5.050% 5101/00 AND AGY	No Opt.		111.000
	5.250%, 7/01/20 – AMBAC Insured	Call	A1	114,662
80	5.250%, 7/01/21 – AMBAC Insured		A1	91,512

		No Opt. Call		
	Madison County Industrial Development Agency, New York, Civic	No Opt.		
225	Facility Revenue Bonds, Colgate	Call	AA+	235,044
	University, Tender Option Bond Trust 3127, 13.298%, 1/01/14 – AMBAC Insured (IF)			
	New York City Industrial Development Agency, New York, Payment	1/19 at		
300	in Lieu of Taxes Revenue Bonds,	100.00	AA+	315,063
	Queens Baseball Stadium Project, Series 2009, 6.125%, 1/01/29 – AGC Insured			
405	New York City Industrial Development Agency, New York, Revenue	3/19 at	A A .	547.640
495	Bonds, Yankee Stadium Project PILOT, Series 2009A, 7.000%, 3/01/49 – AGC Insured	100.00	AA+	547,648
	New York City Industrial Development Authority, New York, PILOT			
	Revenue Bonds, Yankee Stadium			
	Project, Series 2006:			
170	5 000	9/16 at	DDD	165.506
170	5.000%, 3/01/31 – FGIC Insured	100.00 9/16 at	BBB-	165,526
1.425	5.000%, 3/01/36 – NPFG Insured	100.00	Baa1	1,315,774
1,123	5.000 %, 5701750 Till G histian	9/16 at	Duu1	1,515,771
840	4.500%, 3/01/39 – FGIC Insured	100.00	BBB-	700,644
	New York City Trust for Cultural Resources, New York, Revenue	7/14 at		
1,000	•	100.00	AA	1,009,010
15 445	Natural History, Series 2004A, 5.000%, 7/01/36 – NPFG Insured			15 400 550
15,445	Total Education and Civic Organizations  Health Core 22.20 (14.40) of Total Investments)			15,493,553
	Health Care – 22.2% (14.4% of Total Investments)  Dormitory Authority of the State of New York, FHA-Insured	2/13 at		
2,000	Mortgage Hospital Revenue Bonds,	100.00	Baa1	2,004,900
_,000	Lutheran Medical Center, Series 2003, 5.000%, 8/01/31 – NPFG	100.00	2441	_,00.,,00
	Insured			
	Dormitory Authority of the State of New York, FHA-Insured	8/12 at		
3,000	Mortgage Hospital Revenue Bonds, St.	100.00	N/R	3,005,040
	Barnabas Hospital, Series 2002A, 5.000%, 2/01/31 – AMBAC Insured	0/17 -4		
335	Dormitory Authority of the State of New York, FHA-Insured Mortgage Revenue Bonds, Hudson	8/17 at 100.00	AA+	347,767
333	Valley Hospital Center, Series 2007, 5.000%, 8/15/27 – AGM Insured	100.00	ААТ	347,707
	Dormitory Authority of the State of New York, FHA-Insured	2/15 at		
1,000	Revenue Bonds, Montefiore Medical	100.00	BBB	1,035,030
	Center, Series 2005, 5.000%, 2/01/22 – FGIC Insured			
	Dormitory Authority of the State of New York, Revenue Bonds,	7/17 at		
255	Health Quest System Inc., Series	100.00	AA+	253,190
	2007B, 5.125%, 7/01/37 – AGC Insured Dormitory Authority of the State of New York, Revenue Bonds,	7/13 at		
25	Memorial Sloan-Kettering Cancer	100.00	AA	26,395
	Center, Series 2003-1, 5.000%, 7/01/21 – NPFG Insured	100.00	1 11 1	20,000
	Dormitory Authority of the State of New York, Revenue Bonds, New	8/14 at		
780	York and Presbyterian	100.00	AA+	847,993
	Hospital, Series 2004A, 5.250%, 8/15/15 – AGM Insured	7.41.0		
750	Dormitory Authority of the State of New York, Revenue Bonds,	7/13 at	Doc 1	762.015
750	South Nassau Communities	100.00	Baa1	762,915

	Hospital, Series 2003B, 5.500%, 7/01/23			
	Dormitory Authority of the State of New York, Revenue Bonds, The	8/14 at		
305	New York and Presbyterian	100.00	AA+	305,900
303	Hospital Project, Series 2007, 5.000%, 8/15/36 – AGM Insured	100.00	7.17.1	303,700
	New York City Health and Hospitals Corporation, New York, Health	2/13 at		
2,640		100.00	Aa3	2,777,676
2,040	2003A, 5.250%, 2/15/21 – AMBAC Insured	100.00	Aas	2,777,070
11,090	Total Health Care			11,366,806
11,090				11,300,800
	Long-Term Care – 3.7% (2.4% of Total Investments)	0/11 04		
1.500	Dormitory Authority of the State of New York, FHA-Insured Nursing	8/11 at	DDD	1 502 (20
1,500	Home Mortgage Revenue Bonds,	105.00	BBB	1,582,620
	Norwegian Christian Home and Health Center, Series 2001, 6.100%,			
	8/01/41 – NPFG Insured	2/17		
200	Dormitory Authority of the State of New York, GNMA	2/17 at		202 700
290	Collateralized Revenue Bonds, Cabrini of	103.00	AAA	293,700
4 = 00	Westchester Project, Series 2006, 5.200%, 2/15/41			1.056.220
1,790	Total Long-Term Care			1,876,320
	Tax Obligation/General – 3.1% (2.0% of Total Investments)			
	Nassau County, New York, General Obligation Bonds, General	10/19 at		
1,000	Improvement Series 2009C, 5.000%,	100.00	AA+	1,035,130
	10/01/29 – AGC Insured			
	New York City, New York, General Obligation Bonds, Fiscal Series	8/11 at		
50	1998H, 5.125%, 8/01/25 –	100.00	AA	50,147
	NPFG Insured			
	New York City, New York, General Obligation Bonds, Fiscal Series	8/15 at		
225	2006C, 5.000%, 8/01/16 –	100.00	AA+	254,482
	AGM Insured			
	New York City, New York, General Obligation Bonds: 5.000%,	11/14 at		
250	11/01/19 – AGM Insured (UB)	100.00	AA+	276,238
1,525	Total Tax Obligation/General			1,615,997
	Tax Obligation/Limited – 45.6% (29.5% of Total Investments)			
	Buffalo Fiscal Stability Authority, New York, Sales Tax Revenue	No Opt.		
2,695	State Aid Secured Bonds,	Call	Aa1	2,840,395
	Series 2004A, 5.250%, 8/15/12 – NPFG Insured			
	Dormitory Authority of the State of New York, Master Lease	8/19 at		
1,000	Program Revenue Bonds, Nassau	100.00	AA+	1,045,780
	County Board of Cooperative Educational Services, Series 2009A,			
	5.000%, 8/15/28 – AGC Insured			
	Dormitory Authority of the State of New York, Revenue Bonds,	10/12 at		
3,000	School Districts Financing	100.00	A+	3,122,490
	Program, Series 2002D, 5.250%, 10/01/23 – NPFG Insured			
	Dormitory Authority of the State of New York, Revenue Bonds,	10/19 at		
1,000	School Districts Financing	100.00	AA+	1,080,700
	Program, Series 2009A, 5.625%, 10/01/29 – AGC Insured			
	Erie County Industrial Development Agency, New York, School	5/18 at		
340	Facility Revenue Bonds, Buffalo	100.00	AA+	371,963
	City School District Project, Series 2008A, 5.750%, 5/01/27 – AGM			•
	Insured (UB)			
	Erie County Industrial Development Agency, New York, School	5/17 at		
1,085	Facility Revenue Bonds, Buffalo	100.00	AA+	1,173,221
•	·			

	City School District, Series 2007A, 5.750%, 5/01/28 – AGM Insured (UB)			
2.055	Hudson Yards Infrastructure Corporation, New York, Revenue Bonds, Series 2006A, 5.000%,	2/17 at 100.00	A	1,866,063
_,	2/15/47 – FGIC Insured			-,,
	Metropolitan Transportation Authority, New York, State Service	7/12 at		
1,000	Contract Refunding Bonds, Series 2002A, 5.000%, 7/01/25 – FGIC Insured	100.00	AA-	1,011,350
	Monroe Newpower Corporation, New York, Power Facilities	1/13 at		
560	Revenue Bonds, Series 2003, 5.500%, 1/01/34	102.00	BBB	504,762
	New York City Sales Tax Asset Receivable Corporation, New York, Dedicated Revenue Bonds, Local			
	Government Assistance Corporation, Series 2004A:			
		10/14 at		
610	5.000%, 10/15/25 – NPFG Insured (UB)	100.00	AAA	653,109
		10/14 at		
555	5.000%, 10/15/26 – NPFG Insured (UB)	100.00	AAA	594,399
	New York City Transitional Finance Authority, New York, Building	1/17 at		
740	Aid Revenue Bonds, Fiscal	100.00	AA-	767,691
	Series 2007S-2, 5.000%, 1/15/28 – FGIC Insured	2/12		
2 000	New York City Transitional Finance Authority, New York, Future	2/13 at		2 102 020
2,000	Tax Secured Refunding Bonds,	100.00	AAA	2,102,020
	Fiscal Series 2003D, 5.000%, 2/01/22 – NPFG Insured	4/01 -4		
1 000	New York City, New York, Educational Construction Fund, Revenue Bonds, Series 2011A, 5.750%,	4/21 at 100.00	AA+	1,084,980
1,000	4/01/33 – AGM Insured	100.00	AA+	1,004,900
	New York Convention Center Development Corporation, Hotel Fee	11/15 at		
280	Revenue Bonds, Tender Option	100.00	AA+	292,306
200	Bonds Trust 3095, 13.399%, 11/15/44 – AMBAC Insured (IF)	100.00	7 1 1 1	272,300
	New York State Environmental Facilities Corporation, State Personal	1/13 at		
1,290	Income Tax Revenue Bonds,	100.00	AAA	1,350,927
,	Series 2002A, 5.000%, 1/01/23 – FGIC Insured			, ,-
	New York State Thruway Authority, Highway and Bridge Trust Fund	No Opt.		
950	Bonds, Second General, Series	Call	AA	1,141,558
	2005B, 5.500%, 4/01/20 – AMBAC Insured			
	New York State Tobacco Settlement Financing Corporation, Tobacco	6/13 at		
1,200	Settlement Asset-Backed and	100.00	AA-	1,267,932
	State Contingency Contract-Backed Bonds, Series 2003A-1, 5.250%,			
	6/01/20 – AMBAC Insured			
	New York State Tobacco Settlement Financing Corporation, Tobacco	6/13 at		
750		100.00	AA-	793,778
	State Contingency Contract-Backed Bonds, Series 2003B-1C,			
	5.500%, 6/01/21  Puerto Pico Sales Tay Financing Corporation, Sales Tay Payanua	8/20 at		
205	Puerto Rico Sales Tax Financing Corporation, Sales Tax Revenue Bonds, First Subordinate Series	100.00	AA+	294,077
293	2010C, 5.125%, 8/01/42 – AGM Insured	100.00	АЛТ	4) <del>1</del> ,011
22,405	Total Tax Obligation/Limited		,	23,359,501
, 103	Transportation – 13.7% (8.8% of Total Investments)		•	
	Metropolitan Transportation Authority, New York, Transportation			
	Revenue Bonds, Series 2005A:			

		11/15 at		
100	4.750%, 11/15/27 – NPFG Insured	100.00	AA+	101,037
100	11210 1100	11/15 at	1111	101,007
500	4.750%, 11/15/30 – AMBAC Insured	100.00	A	487,300
	Metropolitan Transportation Authority, New York, Transportation	11/12 at		,
1,000	Revenue Refunding Bonds,	100.00	A	1,008,520
•	Series 2002A, 5.000%, 11/15/25 – FGIC Insured			
	New York State Thruway Authority, General Revenue Bonds,	1/18 at		
140	Refunding Series 2007H, 5.000%,	100.00	A+	147,251
	1/01/25 – FGIC Insured			
	New York State Thruway Authority, General Revenue Bonds, Series	1/15 at		
1,875	2005F, 5.000%, 1/01/20 –	100.00	A+	1,993,988
	AMBAC Insured			
	New York State Thruway Authority, General Revenue Bonds, Series	7/15 at		
3,000		100.00	AA+	3,065,940
	AGM Insured			
	Port Authority of New York and New Jersey, Consolidated Revenue	8/17 at		
170	Bonds, One Hundred Forty	100.00	AA+	191,481
	Eighth Series 2008, Trust 2920, 17.932%, 8/15/32 – AGM Insured			
6. <b>7</b> 0.5	(IF)			6005.515
6,785	Total Transportation			6,995,517
	U.S. Guaranteed – 25.2% (16.3% of Total Investments) (4)	2/12 -4		
1 105	Dormitory Authority of the State of New York, FHA-Insured Nursing	2/13 at 102.00	A 00	1 206 242
1,185	Home Mortgage Revenue Bonds, Shorefront Jewish Geriatric Center Inc., Series 2002, 5.200%, 2/01/32	102.00	Aaa	1,296,343
	(Pre-refunded 2/01/13)			
	Dormitory Authority of the State of New York, Revenue Bonds,	5/13 at		
500	North Shore Long Island Jewish	100.00	Aaa	545,730
300	Group, Series 2003, 5.375%, 5/01/23 (Pre-refunded 5/01/13)	100.00	Tuu	545,750
	Dormitory Authority of the State of New York, Revenue Bonds,	7/12 at		
2,500		100.00	A1 (4)	2,625,500
,	Technology, Series 2002A, 5.250%, 7/01/22 (Pre-refunded 7/01/12) –		( )	, ,
	AMBAC Insured			
	Erie County Water Authority, New York, Water Revenue Bonds,	No Opt.		
70	Series 1990B, 6.750%, 12/01/14 –	Call	AAA	77,450
	AMBAC Insured (ETM)			
	New York City Health and Hospitals Corporation, New York, Health	2/12 at		
500	System Revenue Bonds, Series	100.00	Aaa	516,575
	2002A, 5.500%, 2/15/17 (Pre-refunded 2/15/12) – AGM Insured			
	New York City Transitional Finance Authority, New York, Future	8/12 at		
3,000	Tax Secured Bonds, Fiscal	100.00	AAA	3,162,420
	Series 2003C, 5.250%, 8/01/18 (Pre-refunded 8/01/12) – AMBAC			
	Insured	2/12		
500	New York State Urban Development Corporation, State Personal	3/13 at		5.42.720
300	Income Tax Revenue Bonds, State	100.00	AAA	543,720
	Facilities and Equipment, Series 2002C-1, 5.500%, 3/15/21			
	(Pre-refunded 3/15/13) – FGIC Insured Power Authority of the State of New York, General Revenue Bonds,	11/12 at		
2,000	Series 2002A, 5.000%,	100.00	Aa2 (4)	2,128,600
2,000	11/15/20 (Pre-refunded 11/15/12)	100.00	11a2 (¬)	2,120,000
1,975	1.1.2.2.3 (110 1010Haca 11/10/112)		AAA	2,023,605
-,,,,			1	-,,

12,230	Triborough Bridge and Tunnel Authority, New York, General Purpose Revenue Bonds, Series 2002A, 5.125%, 1/01/31 (Pre-refunded 1/01/12) – NPFG Insured Total U.S. Guaranteed Utilities – 6.5% (4.3% of Total Investments) Long Island Power Authority, New York, Electric System General Revenue Bonds, Series 2006A:	1/12 at 100.00	12,9	919,943
		6/16 at		
1,130	5.000%, 12/01/23 – FGIC Insured	100.00	A- 1,	185,732
070	5 0000 10/01/05 FOLGI	6/16 at		202.047
870	5.000%, 12/01/25 – FGIC Insured	100.00	A- 9	903,947
1 000	5 0000 10/01/0C A CC I	6/16 at		222 720
1,000	5.000%, 12/01/26 – AGC Insured	100.00	AA+ 1,0	032,720
105	Long Island Power Authority, New York, Electric System General	6/16 at		105.000
125	Revenue Bonds, Series 2006B,	100.00	A- 1	125,238
	5.000%, 12/01/35 – CIFG Insured	11/15 -4		
110	Power Authority of the State of New York, General Revenue Bonds,	11/15 at	A = 2	120.604
110	Series 2006A, 5.000%,	100.00	Aa2	120,604
2 225	11/15/19 – FGIC Insured		2 /	269 226
3,235			3,.	368,236
	Water and Sewer – 1.0% (0.6% of Total Investments) New York City Municipal Water Finance Authority, New York,	6/16 at		
105	Water and Sewer System Revenue	100.00	AAA :	504,667
7/3	Bonds, Series 2006B, 5.000%, 6/15/36 – NPFG Insured (UB)	100.00	AAA ,	JU <del>1</del> ,007
\$ 76,785	Total Investments (cost \$77,512,860) – 154.5%		70	166,625
Ψ 70,703	Floating Rate Obligations – (4.7)%		•	390,000)
	MuniFund Term Preferred Shares, at Liquidation Value – (54.0)% (5)		* *	580,000)
	Other Assets Less Liabilities – 4.2%			151,462
	Oner rissess Less Litterings 1.270		<i>2</i> ,	\$
	Net Assets Applicable to Common Shares – 100%		51,2	248,087

#### 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 for 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 June 30, 2011:

	Level 1	Level 2	Level 3	Total
Investments:				
Municipal Bonds	\$ —	- \$79,166,625	\$ -	- \$79,166,625

During the period ended June 30, 2011, the Fund recognized no significant transfers to or 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 June 30, 2011, the cost of investments was \$74,130,241.

Gross unrealized appreciation and gross unrealized depreciation of investments at June 30, 2011, were as follows:

Gross unrealized:

Appreciation \$2,642,704

Depreciation —

Net unrealized appreciation (depreciation) of investments \$2,642,704

The Fund intends to invest at least 80% of its net assets in municipal securities that are covered by insurance guaranteeing the timely payment of principal and interest.

- (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.
  - Backed by an escrow or trust containing sufficient U.S. Government or U.S. Government agency
- (4) securities, which ensure the timely payment of principal and interest. Such investments are normally considered to be equivalent to AAA rated securities.
- (5) MuniFund Term Preferred Shares, at Liquidation Value as a percentage of Total Investments is 35.0%.
  - N/R Not rated.
- (ETM) Escrowed to maturity.
  - (IF) Inverse floating rate investment.
  - (UB) Underlying bond of an inverse floating rate trust reflected as a financing transaction.

#### 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 Insured New York Tax-Free Advantage Municipal Fund

By (Signature and Title) /s/ Kevin J. McCarthy
Kevin J. McCarthy
Vice President and Secretary

Date August 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 August 29, 2011

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

Stephen D. Foy

Vice President and Controller (principal financial officer)

Date August 29, 2011