

SECURITIES AND EXCHANGE COMMISSION

FORM N-Q

Quarterly schedule of portfolio holdings of registered management investment company filed on
Form N-Q

Filing Date: **2008-08-29** | Period of Report: **2008-06-30**
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FILER

NUVEEN INSURED NEW YORK TAX FREE ADVANTAGE MUNICIPAL FUND

CIK: **1195739** | IRS No.: **030487021** | State of Incorporation: **MA** | Fiscal Year End: **0930**
Type: **N-Q** | Act: **40** | File No.: **811-21211** | Film No.: **081048601**

Business Address
333 WEST WACKER DRIVE
CHICAGO IL 60606
3129178146

**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 811-21211

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: 6/30/08

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 Insured New York Tax-Free Advantage Municipal Fund (NRK)

June 30, 2008

Principal Amount (000)	Description (1)	Optional Call Provisions (2)	Ratings (3)	Value
Consumer Staples - 3.6% (2.3% of Total Investments)				
\$ 1,500	New York Counties Tobacco Trust III, Tobacco Settlement Pass-Through Bonds, Series 2003, 5.750%, 6/01/33	6/13 at 100.00	BBB	\$ 1,480,365
325	Puerto Rico, The Children's Trust Fund, Tobacco Settlement Asset-Backed Refunding Bonds, Series 2002, 5.375%, 5/15/33	5/12 at 100.00	BBB	306,498
1,825	Total Consumer Staples			1,786,863
Education and Civic Organizations - 24.2% (15.3% of Total Investments)				
2,000	Dormitory Authority of the State of New York, Insured Revenue Bonds, Long Island University, Series 2003A, 5.000%, 9/01/32 - RAAI Insured	9/12 at 100.00	A	1,879,740
2,000	Dormitory Authority of the State of New York, Insured Revenue Bonds, Mount Sinai School of Medicine, Series 1994A, 5.150%, 7/01/24 - MBIA Insured	No Opt. Call	AA	2,042,300
1,000	Dormitory Authority of the State of New York, Lease Revenue Bonds, State University Dormitory Facilities, Series 2003B, 5.250%, 7/01/32 (Mandatory put 7/01/13) - XLCA Insured	No Opt. Call	AA-	1,050,850
410	Dormitory Authority of the State of New York, Lease Revenue Bonds, State University Dormitory Facilities, Series 2006A, 5.000%, 7/01/31 - MBIA Insured	7/16 at 100.00	AA	417,577

1,000	Dormitory Authority of the State of New York, Revenue Bonds, Mount St. Mary College, Series 2003, 5.000%, 7/01/32 - RAAI Insured	7/13 at 100.00	A	978,120
2,500	Dormitory Authority of the State of New York, Revenue Bonds, Rochester Institute of Technology, Series 2002A, 5.250%, 7/01/22 - AMBAC Insured	7/12 at 100.00	Aa3	2,567,700
	Dormitory Authority of the State of New York, Revenue Bonds, Rochester Institute of Technology, Series 2006A:			
100	5.250%, 7/01/20 - AMBAC Insured	No Opt. Call	Aa3	107,619
80	5.250%, 7/01/21 - AMBAC Insured (4)	No Opt. Call	Aa3	85,817
630	Madison County Industrial Development Agency, New York, Civic Facility Revenue Bonds, Colgate University, Series 2005A, 5.000%, 7/01/40 - AMBAC Insured	7/15 at 100.00	AA	634,920
	New York City Industrial Development Authority, New York, PILOT Revenue Bonds, Yankee Stadium Project, Series 2006:			
170	5.000%, 3/01/31 - FGIC Insured	9/16 at 100.00	BBB-	166,823
1,425	5.000%, 3/01/36 - MBIA Insured	9/16 at 100.00	AAA	1,391,498
840	4.500%, 3/01/39 - FGIC Insured	9/16 at 100.00	BBB-	736,344
12,155	Total Education and Civic Organizations			12,059,308
	Health Care - 23.6% (14.9% of Total Investments)			
2,000	Dormitory Authority of the State of New York, FHA-Insured Mortgage Hospital Revenue Bonds, Lutheran Medical Center, Series 2003, 5.000%, 8/01/31 - MBIA Insured	2/13 at 100.00	AA	2,002,340
3,000	Dormitory Authority of the State of New York, FHA-Insured Mortgage Hospital Revenue Bonds, St. Barnabas Hospital, Series 2002A, 5.000%, 2/01/31 - AMBAC Insured	8/12 at 100.00	AA	2,991,809
345	Dormitory Authority of the State of New York, FHA-Insured Mortgage Revenue Bonds, Hudson Valley Hospital Center, Series 2007, 5.000%, 8/15/27 - FSA Insured	8/17 at 100.00	AAA	354,136
1,000	Dormitory Authority of the State of New York, FHA-Insured Revenue Bonds, Montefiore Medical Center, Series 2005, 5.000%, 2/01/22 - FGIC Insured	2/15 at 100.00	N/R	996,050
255	Dormitory Authority of the State of New York, Revenue Bonds, Health Quest System Inc., Series 2007B, 5.125%, 7/01/37 - AGC Insured	7/17 at 100.00	AAA	259,508
25	Dormitory Authority of the State of New York, Revenue Bonds, Memorial Sloan-Kettering Cancer Center, Series 2003-1, 5.000%, 7/01/21 - MBIA Insured	7/13 at 100.00	AA	25,493
810	Dormitory Authority of the State of New York, Revenue Bonds, New York and Presbyterian Hospital, Series 2004A, 5.250%, 8/15/15 - FSA Insured	8/14 at 100.00	AAA	875,586
750	Dormitory Authority of the State of New York, Revenue Bonds, South Nassau Communities Hospital, Series 2003B, 5.500%, 7/01/23	7/13 at 100.00	Baa1	755,205
305	Dormitory Authority of the State of New York, Revenue Bonds, The New York and Presbyterian Hospital Project, Series 2007, 5.000%, 8/15/36 - FSA Insured	8/14 at 100.00	AAA	306,742
500	New York City Health and Hospitals Corporation, New York, Health System Revenue Bonds, Series 2002A, 5.500%, 2/15/17 - FSA Insured	2/12 at 100.00	AAA	528,750
2,640	New York City Health and Hospitals Corporation, New York, Health System Revenue Bonds, Series 2003A, 5.250%, 2/15/21 - AMBAC Insured	2/13 at 100.00	AA	2,702,885
11,630	Total Health Care			11,798,504
	Long-Term Care - 0.6% (0.4% of Total Investments)			
300	Dormitory Authority of the State of New York, GNMA Collateralized Revenue Bonds, Cabrini of Westchester Project, Series 2006, 5.200%, 2/15/41	2/17 at 103.00	AA	307,512
	Tax Obligation/General - 9.3% (5.9% of Total Investments)			
2,055	Hudson Yards Infrastructure Corporation, New York, Revenue Bonds, Series 2006A, 5.000%, 2/15/47 - FGIC Insured (UB)	2/17 at 100.00	A	1,977,794
2,155	New York City, New York, General Obligation Bonds, Fiscal Series 1998H, 5.125%, 8/01/25 - MBIA Insured	8/08 at 101.00	AA	2,178,490
250	New York City, New York, General Obligation Bonds, Fiscal Series 2004E, 5.000%, 11/01/19 - FSA Insured (UB)	11/14 at 100.00	AAA	261,083
225	New York City, New York, General Obligation Bonds, Fiscal Series 2006C, 5.000%, 8/01/16 - FSA Insured	8/15 at 100.00	AAA	241,412
4,685	Total Tax Obligation/General			4,658,779
	Tax Obligation/Limited - 46.9% (29.6% of Total Investments)			
2,695	Buffalo Fiscal Stability Authority, New York, Sales Tax Revenue State Aid Secured Bonds, Series 2004A, 5.250%, 8/15/12 - MBIA Insured	No Opt. Call	AA	2,894,186
3,000	Dormitory Authority of the State of New York, Revenue Bonds, School Districts Financing Program, Series 2002D, 5.250%, 10/01/23 - MBIA Insured	10/12 at 100.00	AA	3,131,639
340	Erie County Industrial Development Agency, New York, School Facility Revenue Bonds, Buffalo City School District, 5.750%, 5/01/27 - FSA Insured (UB)	5/18 at 100.00	AAA	376,880
1,085	Erie County Industrial Development Agency, New York, School Facility Revenue Bonds, Buffalo City School District Project, Series 2007A, 5.750%, 5/01/28 - FSA Insured (UB)	5/17 at 100.00	AAA	1,184,570

1,000	Metropolitan Transportation Authority, New York, State Service Contract Refunding Bonds, Series 2002A, 5.000%, 7/01/25 - FGIC Insured	7/12 at 100.00	AA-	1,013,740
560	Monroe Newpower Corporation, New York, Power Facilities Revenue Bonds, Series 2003, 5.500%, 1/01/34 New York City Sales Tax Asset Receivable Corporation, New York, Dedicated Revenue Bonds, Local Government Assistance Corporation, Series 2004A:	1/13 at 102.00	BBB	498,646
610	5.000%, 10/15/25 - MBIA Insured	10/14 at 100.00	AAA	628,532
555	5.000%, 10/15/26 - MBIA Insured	10/14 at 100.00	AAA	570,634
740	New York City Transitional Finance Authority, New York, Building Aid Revenue Bonds, Fiscal Series 2007S-2, 5.000%, 1/15/28 - FGIC Insured	1/17 at 100.00	AA-	745,609
3,000	New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 2003C, 5.250%, 8/01/18 - AMBAC Insured	8/12 at 100.00	AAA	3,118,739
2,000	New York City Transitional Finance Authority, New York, Future Tax Secured Refunding Bonds, Fiscal Series 2003D, 5.000%, 2/01/22 - MBIA Insured	2/13 at 100.00	AAA	2,051,780
845	New York Convention Center Development Corporation, Hotel Unit Fee Revenue Bonds, Series 2005, 5.000%, 11/15/44 - AMBAC Insured	11/15 at 100.00	AA	834,759
1,290	New York State Environmental Facilities Corporation, State Personal Income Tax Revenue Bonds, Series 2002A, 5.000%, 1/01/23 - FGIC Insured	1/13 at 100.00	AAA	1,319,722
950	New York State Thruway Authority, Highway and Bridge Trust Fund Bonds, Second General, Series 2005B, 5.500%, 4/01/20 - AMBAC Insured	No Opt. Call	AA	1,055,916
1,200	New York State Tobacco Settlement Financing Corporation, Tobacco Settlement Asset-Backed and State Contingency Contract-Backed Bonds, Series 2003A-1, 5.250%, 6/01/20 - AMBAC Insured	6/13 at 100.00	AA	1,246,248
750	New York State Tobacco Settlement Financing Corporation, Tobacco Settlement Asset-Backed and State Contingency Contract-Backed Bonds, Series 2003B-1C, 5.500%, 6/01/21	6/13 at 100.00	AA-	783,413
1,860	New York State Urban Development Corporation, Service Contract Revenue Bonds, Correctional and Youth Facilities, Series 2002A, 5.500%, 1/01/17 (Mandatory put 1/01/11)	No Opt. Call	AA-	1,952,275
22,480	Total Tax Obligation/Limited			23,407,288
Transportation - 6.7% (4.2% of Total Investments)				
1,000	Metropolitan Transportation Authority, New York, Transportation Revenue Refunding Bonds, Series 2002A, 5.000%, 11/15/25 - FGIC Insured	11/12 at 100.00	A	1,000,330
1,875	New York State Thruway Authority, General Revenue Bonds, Series 2005F, 5.000%, 1/01/20 - AMBAC Insured	1/15 at 100.00	AA	1,949,850
140	New York State Thruway Authority, General Revenue Bonds, Series 2007H, 5.000%, 1/01/25 - FGIC Insured	1/18 at 100.00	AA-	145,036
225	Port Authority of New York and New Jersey, One Hundred and Forty Eighth Consolidated Revenue Bonds, RITES Trust 1516, 11.509%, 8/15/32 - FSA Insured (IF)	8/17 at 100.00	AAA	241,920
3,240	Total Transportation			3,337,136
U.S. Guaranteed - 27.8% (17.6% of Total Investments) (5)				
1,185	Dormitory Authority of the State of New York, FHA-Insured Nursing Home Mortgage Revenue Bonds, Shorefront Jewish Geriatric Center Inc., Series 2002, 5.200%, 2/01/32 (Pre-refunded 2/01/13)	2/13 at 102.00	Aaa	1,297,160
145	Dormitory Authority of the State of New York, Improvement Revenue Bonds, Mental Health Services Facilities, Series 1999D, 5.250%, 2/15/29 (Pre-refunded 8/15/09) - FSA Insured	8/09 at 101.00	AAA	151,638
395	Dormitory Authority of the State of New York, Lease Revenue Bonds, State University Dormitory Facilities, Series 1999B, 5.125%, 7/01/28 (Pre-refunded 7/01/09) - MBIA Insured	7/09 at 101.00	AAA	412,056
500	Dormitory Authority of the State of New York, Revenue Bonds, North Shore Long Island Jewish Group, Series 2003, 5.375%, 5/01/23 (Pre-refunded 5/01/13)	5/13 at 100.00	Aaa	544,090
100	Erie County Water Authority, New York, Water Revenue Bonds, Series 1990B, 6.750%, 12/01/14 - AMBAC Insured (ETM) (4)	No Opt. Call	AA (5)	111,553
245	New York City, New York, General Obligation Bonds, Fiscal Series 1998H, 5.125%, 8/01/25 (Pre-refunded 8/01/08) - MBIA Insured	8/08 at 101.00	AA (5)	248,170
3,500	New York State Thruway Authority, Highway and Bridge Trust Fund Bonds, Series 2002B, 5.000%, 4/01/20 (Pre-refunded 4/01/12) - AMBAC Insured	4/12 at 100.00	AAA	3,717,768
500	New York State Urban Development Corporation, State Personal Income Tax Revenue Bonds, State Facilities and Equipment, Series 2002C-1, 5.500%, 3/15/21 (Pre-refunded 3/15/13) - FGIC Insured	3/13 at 100.00	AAA	546,870
2,000	Power Authority of the State of New York, General Revenue Bonds, Series 2002A, 5.000%, 11/15/20 (Pre-refunded 11/15/12) - Insured	11/12 at 100.00	Aa2 (5)	2,140,760
2,000	Puerto Rico Electric Power Authority, Power Revenue Bonds, Series 2000HH, 5.250%, 7/01/29 (Pre-refunded 7/01/10) - FSA Insured	7/10 at 101.00	AAA	2,121,560
1,975	Triborough Bridge and Tunnel Authority, New York, General Purpose Revenue Bonds, Series 2002A, 5.125%, 1/01/31 (Pre-refunded 1/01/12) - MBIA Insured	1/12 at 100.00	AA (5)	2,099,702
450	TSASC Inc., New York, Tobacco Flexible Amortization Bonds, Series 1999-1, 6.250%, 7/15/34 (Mandatory put 7/15/24) (Pre-refunded 7/15/09)	7/09 at 101.00	AAA	474,917

12,995	Total U.S. Guaranteed				13,866,244
	Utilities - 4.5% (2.8% of Total Investments)				
	Long Island Power Authority, New York, Electric System General Revenue Bonds, Series 2006A:				
1,130	5.000%, 12/01/23 - FGIC Insured	6/16 at 100.00	A-		1,135,820
870	5.000%, 12/01/25 - FGIC Insured	6/16 at 100.00	A-		870,531
125	Long Island Power Authority, New York, Electric System General Revenue Bonds, Series 2006B, 5.000%, 12/01/35 - CIFG Insured	6/16 at 100.00	A-		124,625
110	Power Authority of the State of New York, General Revenue Bonds, Series 2006A, 5.000%, 11/15/19 - FGIC Insured	11/15 at 100.00	Aa2		115,243
2,235	Total Utilities				2,246,219
	Water and Sewer - 1.0% (0.7% of Total Investments)				
495	New York City Municipal Water Finance Authority, New York, Water and Sewerage System Revenue Bonds, 5.000%, 6/15/36 - MBIA Insured (UB)	6/16 at 100.00	AAA		501,475
\$ 72,040	Total Long-Term Investments (cost \$73,438,450) - 148.2%				73,969,328
	Short-Term Investments - 10.0% (6.3% of Total Investments)				
\$ 4,000	Erie County Water Authority, New York, Water Revenue Bonds, Variable Rate Demand Obligations, Series 1993A, 3.750%, 12/01/16 - AMBAC Insured (6)		VMIG-1		4,000,000
1,000	Triborough Bridge and Tunnel Authority, New York, Subordinate Lien General Purpose Revenue Refunding Bonds, Variable Rate Demand Obligations, Series 2007, Trust 12167, 1.810%, 7/15/09 - MBIA Insured (6)		VMIG-1		1,000,000
\$ 5,000	Total Short-Term Investments (cost \$5,000,000)				5,000,000
	Total Investments (cost \$78,438,450) - 158.2%				78,969,328
	Floating Rate Obligations - (6.0)%				(2,995,000)
	Other Assets Less Liabilities - 1.9%				950,617
	Preferred Shares, at Liquidation Value - (54.1)% (7)				(27,000,000)
	Net Assets Applicable to Common Shares - 100%				\$ 49,924,945

Futures Contracts outstanding at June 30, 2008:

Type	Contract Position	Number of Contracts	Contract Expiration	Value at June 30, 2008	Unrealized Appreciation (Depreciation)
U.S. Treasury Bond	Long	39	9/08	\$4,508,156	\$22,448

As of June 30, 2008, at least 80% of the Fund's net assets (including net assets attributable to Preferred shares) are invested in municipal securities that are either covered by Original Issue Insurance, Secondary Market Insurance or Portfolio Insurance which ensures the timely payment of principal and interest. Up to 20% of the Fund's net assets (including net assets attributable to Preferred shares) may be invested in municipal securities that are (i) either backed by an escrow or trust containing sufficient U.S. Government or U.S. Government agency securities (also ensuring the timely payment of principal and interest), or (ii) rated, at the time of investment, within the four highest grades (Baa or BBB or better by Moody's, Standard & Poor's or Fitch) or unrated but judged to be of comparable quality by the Adviser.

- (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 higher of Standard & Poor's Group ("Standard & Poor's") or Moody's Investor Service, Inc. ("Moody's") rating. Ratings below BBB by Standard & Poor's or Baa by Moody's are considered to be below investment grade.
The Portfolio of Investments may reflect the ratings on certain bonds insured by ACA, AMBAC, CIFG, FGIC, MBIA, RAAI and XLCA as of June 30, 2008. Subsequent to June 30, 2008, and during the period this Portfolio of Investments was prepared, there may have been reductions to the ratings of certain bonds resulting from changes to the ratings of the underlying insurers both during the period and after period end. Such reductions would likely reduce the effective rating of many of the bonds insured by that insurer or insurers presented at period end.
- (4) Portion of investment, with an aggregate market value of \$197,370, has been pledged to collateralize the net payment obligations under futures contracts.
- (5) Backed by an escrow or trust containing sufficient U.S. Government or U.S. Government agency securities which ensure the timely payment of principal and interest. Such investments are normally considered to be equivalent to AAA rated securities.
- (6) Investment has a maturity of more than one year, but has variable rate and demand features which qualify it as a short-term investment. The rate disclosed is that in effect at the end of the reporting period. This rate changes periodically based on market conditions or a specified market index.
- (7) Preferred Shares, at Liquidation Value as a percentage of total investments is (34.2)%.
- 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 pursuant to the provisions of SFAS No. 140.

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 transactions subject to SFAS No. 140. 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, 2008, the cost of investments was \$75,454,067.

Gross unrealized appreciation and gross unrealized depreciation of investments at June 30, 2008, were as follows:

Gross unrealized:	
Appreciation	\$1,159,862
Depreciation	(644,142)
Net unrealized appreciation (depreciation) of investments	\$ 515,720

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, 2008

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, 2008

By (Signature and Title) /s/ Stephen D. Foy
Stephen D. Foy
Vice President and Controller (principal financial officer)

Date August 29, 2008

CERTIFICATIONS

I, Gifford R. Zimmerman, certify that:

1. I have reviewed this report on Form N-Q of Nuveen Insured New York Tax-Free Advantage Municipal Fund;
 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
 3. Based on my knowledge, the schedules of investments included in this report fairly present in all material respects the investments of the registrant as of the end of the fiscal quarter for which the report is filed;
 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940) and internal control over financial reporting (as defined in Rule 30a-3(d) under the Investment Company Act of 1940) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of a date within 90 days prior to the filing date of this report, based on such evaluation; and
 - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- The registrant's other certifying officer and I have disclosed to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
- a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize, and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 29, 2008

/s/ Gifford R. Zimmerman
Gifford R. Zimmerman
Chief Administrative Officer
(principal executive officer)

CERTIFICATIONS

I, Stephen D. Foy, certify that:

1. I have reviewed this report on Form N-Q of Nuveen Insured New York Tax-Free Advantage Municipal Fund;
 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
 3. Based on my knowledge, the schedules of investments included in this report fairly present in all material respects the investments of the registrant as of the end of the fiscal quarter for which the report is filed;
 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940) and internal control over financial reporting (as defined in Rule 30a-3(d) under the Investment Company Act of 1940) for the registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of a date within 90 days prior to the filing date of this report, based on such evaluation; and
 - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- The registrant's other certifying officer and I have disclosed to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize, and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 29, 2008

/s/ Stephen D. Foy
Stephen D. Foy
Vice President and Controller
(principal financial officer)