

NUVEEN INSURED NEW YORK TAX FREE ADVANTAGE MUNICIPAL FUND
Form N-Q
February 29, 2008

**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: 09/30

Date of reporting period: 12/31/07

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)

December 31, 2007

Principal

Amount (000) Description (1)

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 |
| | 335 | Puerto Rico, The Children's Trust Fund, Tobacco Settlement Asset-Backed Refunding Bonds, Series 2002, 5.375%, 5/15/33 |

1,835 Total Consumer Staples

Education and Civic Organizations □ 21.5% (14.2% 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 |
| | 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 |
| | 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 |
| | 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 |
| | 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 |
| | | Dormitory Authority of the State of New York, Revenue Bonds, Rochester Institute of Technology, Series 2006A: |
| | 100 | 5.250%, 7/01/20 □ AMBAC Insured |
| | 80 | 5.250%, 7/01/21 □ AMBAC Insured |
| | 630 | Madison County Industrial Development Agency, New York, Civic Facility Revenue Bonds, Colgate University, Series 2005A, 5.000%, 7/01/40 □ AMBAC Insured |
| | 260 | New York City Industrial Development Agency, New York, PILOT Revenue Bonds Yankee Stadium Project, Residual Series 07-1032, 6.970%, 3/01/39 □ FGIC Insured (IF) |
| | 475 | New York City Industrial Development Agency, New York, Revenue Bonds, Yankee Stadium Pilots, Trust 2148, 7.652%, 3/01/36 □ MBIA Insured (IF) |
| | 500 | New York City Industrial Development Agency, Revenue Bonds, Ethical Culture Fieldston School, Series 2005B-1, 5.000%, 6/01/35 □ XLCA Insured |
| | 170 | New York City Industrial Development Authority, New York, PILOT Revenue Bonds, Yankee Stadium Project, Series 2006, 5.000%, 3/01/31 □ FGIC Insured |

10,715 Total Education and Civic Organizations

Health Care □ 23.9% (15.8% 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 |
| | 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 |
| | 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 |
| | 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 |
| | 255 | Dormitory Authority of the State of New York, Revenue Bonds, Health Quest System Inc., Series 2007B, 5.125%, 7/01/37 □ AGC Insured |
| | 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
- 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
- 750 Dormitory Authority of the State of New York, Revenue Bonds, South Nassau Communities Hospital, Series 2003B, 5.500%, 7/01/23
- 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
- 500 New York City Health and Hospitals Corporation, New York, Health System Revenue Bonds, Series 2002A, 5.500%, 2/15/17 ☐ FSA Insured
- 2,640 New York City Health and Hospitals Corporation, New York, Health System Revenue Bonds, Series 2003A, 5.250%, 2/15/21 ☐ AMBAC Insured
- 320 New York State Dormitory Authority, Revenue Bonds, North Shore Jewish Obligated Group, Series 2007A, 5.000%, 5/01/32

11,950 Total Health Care

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

Tax Obligation/General ☐ 9.3% (6.1% of Total Investments)

- 2,055 Hudson Yards Infrastructure Corporation, New York, Revenue Bonds, Series 2006A, 5.000%, 2/15/47 ☐ FGIC Insured (UB)
- 2,155 New York City, New York, General Obligation Bonds, Fiscal Series 1998H, 5.125%, 8/01/25 ☐ MBIA Insured
- 250 New York City, New York, General Obligation Bonds, Fiscal Series 2004E, 5.000%, 11/01/19 ☐ FSA Insured
- 225 New York City, New York, General Obligation Bonds, Fiscal Series 2006C, 5.000%, 8/01/16 ☐ FSA Insured

4,685 Total Tax Obligation/General

Tax Obligation/Limited ☐ 47.3% (31.4% 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
- 145 Dormitory Authority of the State of New York, Improvement Revenue Bonds, Mental Health Services Facilities, Series 1999D, 5.250%, 2/15/29 ☐ FSA Insured
- 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
- 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)
- 715 Metropolitan Transportation Authority, New York, Dedicated Tax Fund Bonds, Series 2006, 5.000%, 11/15/31 ☐ MBIA Insured
- 1,000 Metropolitan Transportation Authority, New York, State Service Contract Refunding Bonds, Series 2002A, 5.000%, 7/01/25 ☐ FGIC Insured
- 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

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Government Assistance Corporation, Series 2004A:

| | | |
|-------|--|-----------------|
| 610 | 5.000%, 10/15/25 | □ MBIA Insured |
| 555 | 5.000%, 10/15/26 | □ MBIA Insured |
| 740 | New York City Transitional Finance Authority, New York, Building Aid Revenue Bonds, Fiscal Series 2007S-2, 5.000%, 1/15/28 | □ FGIC Insured |
| 3,000 | New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 2003C, 5.250%, 8/01/18 | □ AMBAC Insured |
| 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 |
| 845 | New York Convention Center Development Corporation, Hotel Unit Fee Revenue Bonds, Series 2005, 5.000%, 11/15/44 | □ AMBAC Insured |
| 1,290 | New York State Environmental Facilities Corporation, State Personal Income Tax Revenue Bonds, Series 2002A, 5.000%, 1/01/23 | □ FGIC Insured |
| 950 | New York State Thruway Authority, Highway and Bridge Trust Fund Bonds, Second General, Series 2005B, 5.500%, 4/01/20 | □ AMBAC Insured |
| 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 |
| 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 | |
| 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) | |

23,000 Total Tax Obligation/Limited

Transportation □ 12.9% (8.5% of Total Investments)

| | | |
|-------|---|--------------------|
| 1,000 | Metropolitan Transportation Authority, New York, Transportation Revenue Refunding Bonds, Series 2002A, 5.000%, 11/15/25 | □ FGIC Insured |
| 1,875 | New York State Thruway Authority, General Revenue Bonds, Series 2005F, 5.000%, 1/01/20 | □ AMBAC Insured |
| 140 | New York State Thruway Authority, General Revenue Bonds, Series 2007H, 5.000%, 1/01/25 | □ FGIC Insured |
| 3,030 | Port Authority of New York and New Jersey, Consolidated Revenue Bonds, One Hundred Twenty-Eighth Series 2002, 5.000%, 11/01/22 | □ FSA Insured |
| 225 | Port Authority of New York and New Jersey, One Hundred and Forty Eighth Consolidated Revenue Bonds, RITES Trust 1516, 7.411%, 8/15/32 | □ FSA Insured (IF) |

6,270 Total Transportation

U.S. Guaranteed □ 26.7% (17.6% of Total Investments) (4)

| | | |
|-------|---|-----------------------|
| 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) | |
| 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 |
| 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) | |
| 100 | Erie County Water Authority, New York, Water Revenue Bonds, Series 1990B, 6.750%, 12/01/14 | □ AMBAC Insured (ETM) |
| 245 | New York City, New York, General Obligation Bonds, Fiscal Series 1998H, 5.125%, 8/01/25 | |

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(Pre-refunded 8/01/08) □ MBIA Insured

| | |
|-------|--|
| 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 |
| 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 |
| 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) |
| 2,000 | Puerto Rico Electric Power Authority, Power Revenue Bonds, Series 2000HH, 5.250%, 7/01/29 (Pre-refunded 7/01/10) □ FSA Insured |
| 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 |
| 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) |

12,850 Total U.S. Guaranteed

Utilities □ 4.6% (3.0% 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 |
| 870 | 5.000%, 12/01/25 □ FGIC Insured |
| 125 | Long Island Power Authority, New York, Electric System General Revenue Bonds, Series 2006B, 5.000%, 12/01/35 □ CIFG Insured |
| 110 | Power Authority of the State of New York, General Revenue Bonds, Series 2006A, 5.000%, 11/15/19 □ FGIC Insured |

2,235 Total Utilities

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, Series 2006B, 5.000%, 6/15/36 □ MBIA Insured |
|-----|--|

\$ 74,335 Total Investments (cost \$76,128,949) □ 151.4%

Floating Rate Obligations □ (4.0)%

Other Assets Less Liabilities □ 4.8%

Preferred Shares, at Liquidation Value □ (52.2)%

Net Assets Applicable to Common Shares □ 100%

Forward Swaps outstanding at December 31, 2007:

| Counterparty | Notional Amount | Fund Pay/Receive Floating Rate | Floating Rate Index | Fixed Rate (Annualized) | Fixed Rate Payment Frequency | Effective Date (5) | T |
|--------------|-----------------|--------------------------------|---------------------|-------------------------|------------------------------|--------------------|---|
| | | | | | | | |

| | | | | | | |
|----------------------|-----------|-----|-------------------|--------|---------------|---------|
| JPMorgan | \$750,000 | Pay | 3-Month USD-LIBOR | 5.388% | Semi-Annually | 4/25/08 |
| Royal Bank of Canada | 900,000 | Pay | SIFM | 4.335 | Quarterly | 8/06/08 |

USD-LIBOR (United States Dollar-London Inter-Bank Offered Rate)

SIFM □ The daily arithmetic average of the weekly SIFM (Securities Industry and Financial Markets)

Municipal Swap Index.

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 AAA ratings shown in the Portfolio of Investments reflect the AAA ratings on certain bonds insured by AMBAC, FGIC, XCLA or MBIA and/or the A ratings on certain bonds insured by ACA as of December 31, 2007. During December 2007, at least one rating agency reduced the rating for ACA bonds to CCC. Subsequent to December 31, 2007, at least one rating agency reduced the rating for AMBAC-insured bonds to AA, the rating for XCLA-insured bonds to A and the rating for FGIC-insured bonds to A3. One or more rating agencies have placed each of these insurers on □negative credit watch□, which may presage one or more rating reductions for such insurer or insurers in the future. If one or more insurers' ratings are reduced below AAA (or A in the case of ACA) by these rating agencies, it would likely reduce the effective rating of many of the bonds insured by that insurer or insurers.

- (4) 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.
 - (5) Effective date represents the date on which both the Fund and counterparty commence interest payment accruals on each forward swap contract.
- (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

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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 the treatment of paydown gains and losses, 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 December 31, 2007, the cost of investments was \$74,049,672.

Gross unrealized appreciation and gross unrealized depreciation of investments at December 31, 2007, were as follows:

| | |
|---|-------------|
| Gross unrealized: | |
| Appreciation | \$2,321,849 |
| Depreciation | (116,716) |
| <hr/> | |
| Net unrealized appreciation (depreciation) of investments | \$2,205,133 |

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: 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

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Date February 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 February 29, 2008

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

Date February 29, 2008

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