Invesco Van Kampen Trust for Investment Grade New York Municipals Form N-CSR May 09, 2011

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UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 FORM N-CSR CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT INVESTMENT COMPANIES Investment Company Act file number 811-06537 Invesco Van Kampen Trust for Investment Grade New York Municipals

(Exact name of registrant as specified in charter) 1555 Peachtree Street, N.E., Atlanta, Georgia 30309

(Address of principal executive offices) (Zip code) Colin Meadows 1555 Peachtree Street, N.E., Atlanta, Georgia 30309

(Name and address of agent for service) Registrant s telephone number, including area code: (713) 626-1919 Date of fiscal year end: 2/28 Date of reporting period: 2/28/11

Item 1. Reports to Stockholders.

Annual Report to Shareholders

February 28, 2011

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Management s Discussion of Trust Performance

Performance summary

Please note that the fiscal year-end for Invesco Van Kampen Trust for Investment Grade New York Municipals has changed to February 28. Therefore, the period covered by this report is from October 31, 2010, the date of the last annual report, through February 28, 2011, the Trust s new fiscal year-end.

The Trust s return can be calculated based on either the market price or the net asset value (NAV) of its shares. NAV per share is determined by dividing the value of the Trust s portfolio securities, cash and other assets, less all liabilities and preferred shares, by the total number of common shares outstanding, while market price reflects the supply and demand for Trust shares. As a result, the two returns can differ, as they did during the reporting period. A main contributor to the Trust s return on an NAV basis was its exposure to dedicated tax bonds.

Performance

Cumulative total returns, 10/31/10 to 2/28/11

Trust at NAV	-8.42%
Trust at Market Value	-10.76
Barclays Capital New York Municipal Bond Index	-2.88

Market Price Premium to NAV as of 2/28/11

Lipper Inc.

The performance data quoted represent past performance and cannot guarantee comparable future results; current performance may be lower or higher. Investment return, net asset value and common share market price will fluctuate so that you may have a gain or loss when you sell shares. Please visit invesco.com/performance for the most recent month-end performance. Performance figures reflect Trust expenses, the reinvestment of distributions (if any) and changes in net asset value (NAV) for performance based on NAV and changes in market price for performance based on market price.

Since the Trust is a closed-end management investment company, shares of the Trust may trade at a discount or premium from the NAV. This characteristic is separate and distinct from the risk that NAV could decrease as a result of investment activities and may be a greater risk to investors expecting to sell their shares after a short time. The Trust cannot predict whether shares will trade at, above or below NAV. The Trust should not be viewed as a vehicle for trading purposes. It is designed primarily for risk-tolerant long-term investors.

How we invest

We seek to provide investors with a high level of current income exempt from federal income tax, as well as New York state and New York City income taxes, primarily through investment in a diversified portfolio of investment grade municipal securities.

We seek to achieve the Trust s investment objective by investing primarily in New York municipal securities that are rated BBB or higher by Standard & Poor s (S&P) or Baa or higher by Moody s at the time of purchase. Municipal securities include long-term obligations (municipal bonds), short-term municipal notes, participation certificates, municipal leases and tax-exempt commercial paper. The Trust also may invest in securities rated BB/Ba or B by S&P, Moody s or Fitch, as well as unrated securities that we determine to be of comparable or higher quality. From time to time, we may invest in New York municipal securities that pay interest that is subject to

0.30

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Portfolio Composition

By credit sector, based on total investments

Revenue	Bonds	89.8%
General C	Obligation Bonds	8.6
Pre-refun	ded Bonds	1.0
Other		0.6
Total Net	Assets	
Applicabl	le to Common Shares	\$204.0 million
Total Nur	mber of Holdings	140
Top Five	Fixed Income Holdings	
1.	Port Authority of New York & New Jersey	17.0%
2.	New York (City of) Municipal Water Finance Authority	5.8
3.	New York (City of) Trust for Cultural Resources (American Museum of Natural History)	5.2
4.	New York (City of)	5.0
5.	New York (City of)	5.0

The Trust sholdings are subject to change, and there is no assurance that the Trust will continue to hold any particular security.

We employ a bottom-up, research-driven approach to identify securities that have attractive risk/reward characteristics for the sectors in which we invest. We also integrate macroeconomic analysis and forecasting into our evaluation and ranking of various sectors and individual securities. Finally, we employ leverage in an effort to enhance the Trust s income and total return.

Sell decisions are based on:

- n A deterioration or likely deterioration of an individual issuer s capacity to meet its debt obligations on a timely basis.
- n A deterioration or likely deterioration of the broader fundamentals of a particular industry or sector.
- n Opportunities in the secondary or primary market to purchase a security with better relative value.

Market conditions and your Trust

In the U.S. and most of the developed world, a gradual and somewhat lackluster recovery continued, with central banks keeping interest rates at low levels and with few of them withdrawing their quantitative easing measures. This helped private sector companies improve their balance sheets and earnings following the global financial crisis that began to dissipate in early 2009. However, investor skepticism of global governments abilities to retire huge amounts of debt without affecting economic growth rates caused sovereign debt distress (especially for eurozone countries) and became a focal point of investor concern.

In the U.S., economic recovery was present, although the pace was modest as stubbornly high unemployment and export weakness continued to weigh on the economy. Real gross domestic product, the broadest measure of overall U.S. economic activity, increased at an annual rate of 3.1% in the fourth quarter of 2010, a marked improvement from the 2.6% decrease in 2009.¹ The U.S. Federal Reserve (the Fed) maintained a very accommodative monetary policy throughout the period, with the federal funds target rate unchanged in a range of zero to 0.25%.² The Fed recently described its view of the U.S. economy by stating: The Committee will maintain the target range for the federal funds rate at 0 to 1/4 percent and continues to anticipate that

economic conditions, including low rates of resource utilization, subdued inflation trends, and stable inflation expectations, are likely to warrant exceptionally low levels for the federal funds rate for an extended period.²

During the four-month period covered by this report, municipal bond mutual funds experienced extensive net outflows. Market volatility was heightened across the municipal asset class as U.S. Treasury yields increased, and the market was flooded with new issuance during the last two months of 2010 in anticipation of the Build America Bond (BAB) program ending. These factors contributed to rising investor fears regarding the health of municipal finances leading to redemptions and lower municipal bond prices.

In terms of yield curve positioning, the Trust s exposure to the 15- to 20-year portion of the curve, as well as the long end of the curve (20+ years), detracted from returns as yields increased during most of the reporting period. Some of our yield curve and duration positioning was obtained through the use of inverse floating rate securities. Inverse floating rate securities are instruments which have an inverse relationship to a referenced interest rate. Inverse floating rate securities can be a more efficient means by which to manage duration, yield curve exposure, credit exposure and potentially can enhance yield.

Sector performance was driven by quality spread widening for most of the reporting period before tightening in February, largely a result of increased volatility and higher tax-exempt issuance. As a result, BBB-rated and lower credit quality sectors underperformed and detracted from Trust performance as we held exposure to these market segments.

At a sector level, our exposure to dedicated tax and water/sewer bonds contributed to returns for the reporting period. Our exposure to higher education and health care bonds detracted from returns.

We employ leverage in an effort to enhance the Trust s income and total return. Leverage simply magnifies the performance of the Trust, either up or down, and can be implemented several ways. The Trust achieves a leveraged position through both borrowings and the use of financial instruments, which include auction rate preferred shares. During the reporting period, the use of leverage detracted from returns.

As stated earlier, the Trust trades at a market price and also has an NAV. For most of the reporting period, the Trust fluctuated between trading at a premium and trading at a discount to its underlying NAV.

Thank you for investing in Invesco Van Kampen Trust for Investment Grade New York Municipals and for sharing our long-term investment horizon.

1 Bureau of Economic Analysis

2 U.S. Federal Reserve

The views and opinions expressed in management s discussion of Trust performance are those of Invesco Advisers, Inc. These views and opinions are subject to change at any time based on factors such as market and economic conditions. These views and opinions may not be relied upon as investment advice or recommendations, or as an offer for a particular security. The information is not a complete analysis of every aspect of any market, country, industry, security or the Trust. Statements of fact are from sources considered reliable, but Invesco Advisers, Inc. makes no representation or warranty as to their completeness or accuracy. Although historical performance is no guarantee of future results, these insights may help you understand our investment management philosophy. See important Trust and, if applicable, index disclosures later in this report.

Mark Paris

Chartered Financial Analyst, portfolio manager, is manager of Invesco Van Kampen Trust for Investment Grade New York Municipals. Mr. Paris joined Invesco in 2010. He was associated with the Trust s previous investment adviser or its investment advisory affiliates in an investment capacity from 2002 to 2010 and began managing the Trust in 2007. He earned a B.B.A. in finance from Baruch College The City University of New York.

Robert Stryker

Chartered Financial Analyst, portfolio manager, is manager of Invesco Van Kampen Trust for Investment Grade New York Municipals. Mr. Stryker joined Invesco in 2010. He was associated with the Trust s previous investment adviser or its investment advisory affiliates in an investment capacity from 1994 to 2010 and began managing the Trust in 2007. He earned a B.S. in finance from the University of Illinois, Chicago.

Julius Williams

Portfolio manager, is manager of Invesco Van Kampen Trust for Investment Grade New York Municipals.

Mr. Williams joined Invesco in 2010. He was associated with the Trust s previous investment adviser or its investment advisory affiliates in an investment capacity from 2000 to 2010 and began managing the Trust in 2009. He earned a B.A. in economics and sociology, as well as a Master of Education degree in educational psychology from the University of Virginia.

Invesco Van Kampen Trust for Investment Grade New York Municipals investment objective is to seek to provide a high level of current income exempt from federal as well as New York State and New York City income taxes, consistent with preservation of capital.

- n Unless otherwise stated, information presented in this report is as of February 28, 2011, and is based on total net assets applicable to common shares.
- n Unless otherwise noted, all data provided by Invesco.
- n To access your Trust s reports, visit invesco.com/fundreports.

Principal risks of investing in the Trust

- n The prices of securities held by the Trust may decline in response to market risks.
- n Other risks are described and defined later in this report.

About indexes used in this report

- n The **Barclays Capital New York Municipal Bond Index** is an index of New York investment grade municipal bonds.
- n The Trust is not managed to track the performance of any particular index, including the index(es) defined here, and consequently, the performance of the Trust may deviate significantly from the performance of the index(es).
- n A direct investment cannot be made in an index. Unless otherwise indicated, index results include reinvested dividends, and they do not reflect sales charges. Performance of the peer group, if applicable, reflects fund expenses; performance of a market index does not.

Other information

- n The Chartered Financial Analyst[®] (CFA[®]) designation is globally recognized and attests to a charterholder s success in a rigorous and comprehensive study program in the field of investment management and research analysis.
- n The returns shown in management s discussion of Trust performance are based on net asset values calculated for shareholder transactions. Generally accepted accounting principles require adjustments to be made to the net assets of the Trust at period end for financial reporting purposes, and as such, the net asset values for shareholder transactions and the returns based on those net asset values may differ from the net asset values and returns reported in the Financial Highlights.

NOT FDIC INSURED | MAY LOSE VALUE | NO BANK GUARANTEE

NYSE Symbol

VTN

Dividend Reinvestment Plan

The dividend reinvestment plan (the Plan) offers you a prompt and simple way to reinvest your dividends and capital gains distributions (Distributions) into additional shares of your Trust. Under the Plan, the money you earn from Distributions will be reinvested automatically in more shares of your Trust, allowing you to potentially increase your investment over time.

Plan benefits

n Add to your account

You may increase the amount of shares in your Trust easily and automatically with the Plan.

n Low transaction costs

Shareholders who participate in the Plan are able to buy shares at below-market prices when the Trust is trading at a premium to its net asset value (NAV). In addition, transaction costs are low because when new shares are issued by a Trust, there is no fee, and when shares are bought in blocks on the open market, the per share fee is shared among all Participants.

n Convenience

You will receive a detailed account statement from Computershare Trust Company, N.A. (the Agent) which administers the Plan. The statement shows your total Distributions, date of investment, shares acquired, and price per share, as well as the total number of shares in your reinvestment account. You can also access your account via the Internet. To do this, please go to invesco.com/us.

n Safekeeping

The Agent will hold the shares it has acquired for you in safekeeping.

How to participate in the Plan

If you own shares in your own name, you can participate directly in the Plan. If your shares are held in street name in the name of your brokerage firm, bank, or other financial institution you must instruct that entity to participate on your behalf. If they are unable to participate on your behalf, you may request that they reregister your shares in your own name so that you may enroll in the Plan.

How to enroll

To enroll in the Plan, please read the Terms and Conditions in the Plan Brochure. You can enroll in the Plan by visiting invesco.com/us, calling toll-free 800 341 2929 or notifying us in writing at Invesco Van Kampen Closed-End Funds, Computershare Trust Company, N.A., P.O. Box 43078, Providence, RI 02940-3078. Please include your Trust name and account number and ensure that all shareholders listed on the account sign these written instructions. Your participation in the Plan will begin with the next Distribution payable after the Agent receives your authorization, as long as they receive it before the record date, which is generally 10 business days before such Distributions are paid. If your authorization arrives after such record date, your participation in the Plan will begin with the following Distributions.

How the Plan works

If you choose to participate in the Plan, your Distributions will be promptly reinvested for you, automatically increasing your shares. If the Trust is trading at a share price that is equal to its NAV, you ll pay that amount for your

reinvested shares. However, if the Trust is trading above or below NAV, the price is determined by one of two ways:

- 1. Premium: If the Trust is trading at a premium a market price that is higher than its NAV you ll pay either the NAV or 95 percent of the market price, whichever is greater. When the Trust trades at a premium, you ll pay less for your reinvested shares than an investor purchasing shares on the stock exchange. Keep in mind, a portion of your price reduction may be taxable because you are receiving shares at less than market price.
- 2. Discount: If the Trust is trading at a discount a market price that is lower than NAV you ll pay the market price for your reinvested shares.

Costs of the Plan

There is no direct charge to you for reinvesting Distributions because the Plan s fees are paid by your Trust. If your Trust is trading at or above its NAV, your new shares are issued directly by the Trust and there are no brokerage charges or fees. However, if your Trust is trading at a discount, the shares are purchased on the open market, and you will pay your portion of per share fees. These per share fees are typically less than the standard brokerage charges for individual transactions because shares are purchased for all Participants in blocks, resulting in lower fees for each individual Participant. Any service or per share fees are added to the purchase price. Per share fees include any applicable brokerage commissions the Agent is required to pay.

Tax implications

The automatic reinvestment of Distributions does not relieve you of any income tax that may be due on Distributions. You will receive tax information annually to help you prepare your federal income tax return.

Invesco does not offer tax advice. The tax information contained herein is general and is not exhaustive by nature. It was not intended or written to be used, and it cannot be used, by any taxpayer for avoiding penalties that may be imposed on the taxpayer under U.S. federal tax laws. Federal and state tax laws are complex and constantly changing. Shareholders should always consult a legal or tax adviser for information concerning their individual situation.

How to withdraw from the Plan

You may withdraw from the Plan at any time by calling 800 341 2929, visiting invesco.com/us or by writing to Invesco Van Kampen Closed-End Funds, Computershare Trust Company, N.A., P.O. Box 43078, Providence, RI 02940-3078. Simply indicate that you would like to withdraw from the Plan, and be sure to include your Trust name and account number. Also, ensure that all shareholders listed on the account have signed these written instructions. If you withdraw, you have three options with regard to the shares held in the Plan:

- 1. If you opt to continue to hold your non-certificated whole shares (Investment Plan Book Shares), they will be held by the Agent electronically as Direct Registration Book-Shares (Book-Entry Shares) and fractional shares will be sold at the then-current market price. Proceeds will be sent via check to your address of record after deducting applicable fees.
- 2. If you opt to sell your shares through the Agent, we will sell all full and fractional shares and send the proceeds via check to your address of record after deducting a \$2.50 per share fee and applicable per share fee. Per share fees include any applicable brokerage commissions the Agent is required to pay.
- 3. You may sell your shares through your financial adviser through the Direct Registration System (DRS). DRS is a service within the securities industry that allows Trust shares to be held in your name in electronic format. You retain full ownership of your shares, without having to hold a stock certificate. You should contact your financial adviser to learn more about any restrictions or fees that may apply.

To obtain a complete copy of the Dividend Reinvestment Plan, please call our Client Services department at 800 341 2929 or visit invesco.com/us.

Schedule of Investments

February 28, 2011

	Interest Rate	Maturity Date	Principal Amount (000)	Value
Municipal Obligations 172.08%				
New York 164.09%				
Albany (City of) Capital Resource Corp. (St. Peters Hospital); Series 2011, RB	6.25%	11/15/38	\$ 1,860	\$ 1,859,777
Albany (City of) Industrial Development Agency (St. Peter Hospital); Series 2008 D, Civic Facility IDR	s 5.75%	11/15/27	1,000	985,140
Brooklyn (City of) Arena Local Development Corp. (Barclays Center);				
Series 2009, CAB RB ^(a)	0.00%	07/15/34	6,700	1,399,898
Series 2009, RB	6.25%	07/15/40	825	807,560
Series 2009, RB	6.38%	07/15/43	825	819,225
Chautauqua (County of) Industrial Development Agency (NRG Dunkirk Power); Series 2009, Exempt Facility IDR	5.88%	04/01/42	2,340	2,252,695
Dutchess (County of) Industrial Development Agency (Elant Fishkill, Inc.); Series 2007 A, Civic Facility IDR	5.25%	01/01/37	920	636,300
East Rochester (City of) Housing Authority (Senior Living Woodland Village); Series 2006, Ref. RB	5.50%	08/01/33	2,400	1,886,952
Essex (County of) Industrial Development Agency (International Paper); Series 2005 A, Solid Waste Disposal Ref. IDR ^(b)	5.20%	12/01/23	2,150	2,055,722
Hempstead (Town of) Industrial Development Agency (Adelphi University); Series 2002, Civic Facility IDR	5.50%	06/01/32	2,000	2,006,320
Hempstead (Town of) Local Development Corp. (Molloy College); Series 2009, Corporate RB	5.75%	07/01/39	1,655	1,669,034

Islip (City of) Resource Recovery Agency (1985 Facility); Series 1994 B, RB (INS AMBAC)) ^(c)	7.25%	07/01/11	2,000	2,041,100
Long Island (City of) Power Authority; Series 2003 C, Electric System RB (INS CIFG ⁹⁾	5.25%	09/01/29	400	414,928
Series 2006 E, Electric System RB	5.00%	12/01/17	1,975	2,181,269
Series 2009 A, Electric System RB	6.25%	04/01/33	1,860	2,049,478
Madison (County of) Industrial Development Agency (Colgate University); Series 2005 A, Civic Facility IDR (INS AMBAC ⁹⁾	5.00%	07/01/35	1,620	1,603,022
Madison (County of) Industrial Development Agency (Morrisville State College Foundation); Series 2005 A, Civic Facility IDR (INS CIFG ⁹⁾	5.00%	06/01/28	1,000	892,340
Madison (County of) Industrial Development Agency (Oneida Health Systems, Inc.); Series 2007, Civic Facility IDR	5.50%	02/01/32	750	654,015
Metropolitan Transportation Authority (Build America Bonds); Series 2009 B, Dedicated Tax Federal RB	5.25%	11/15/27	1,535	1,592,455
Metropolitan Transportation Authority; Series 2005 B, RB (INS BHAC9) ^(d)	5.00%	11/15/31	10,000	9,910,100
Montgomery (County of) Industrial Development Agency (Hamilton Fulton Montgomery Board of Cooperative Educational Services); Series 2005 A, Lease IDR (INS SYNCORA®)	5.00%	07/01/34	1,500	1,247,160
Nassau (County of) Industrial Development Agency (Amsterdam at Harborside); Series 2007 A, Continuing Care Retirement Community IDR	6.70%	01/01/43	5,000	4,456,850
New York (City of) Industrial Development Agency (7 World Trade Center, LLC); Series 2005 B, Liberty RB	6.75%	03/01/15	2,000	2,002,380
New York (City of) Industrial Development Agency (IAC/Interactive Corp.); Series 2005, Liberty IDR	5.00%	09/01/35	3,440	2,934,767
New York (City of) Industrial Development Agency (New York Stock Exchange); Series 2009 A, Special Facility Ref. IDR	5.00%	05/01/21	2,445	2,659,060
Series 2009 A, Special Facility Ref. IDR	5.00%	05/01/29	1,500	1,513,920
New York (City of) Industrial Development Agency (Polytechnic University); Series 2007, Civic Facility RB	5.25%	11/01/37	3,500	3,187,135

(INS ACA9)

New York (City of) Industrial Development Agency (Queens Baseball Stadium); Series 2006, PILOT IDR (INS AMBAC9)	5.00%	01/01/36	2,000	1,625,140
Series 2009, PILOT IDR (INS AGL(9)	6.50%	01/01/46	2,000	2,083,820
New York (City of) Industrial Development Agency (Staten Island University Hospital); Series 2001 B, Civic Facility IDR	6.38%	07/01/31	1,735	1,684,269
New York (City of) Industrial Development Agency (Terminal One Group Association, L.P.); Series 2005, Special Facility IDR ^{(b)(e)(f)}	5.50%	01/01/19	3,710	3,881,031
Series 2005, Special Facility IDR ^{(b)(e)(f)}	5.50%	01/01/20	3,000	3,096,090
Series 2005, Special Facility IDR ^{(b)(e)(f)}	5.50%	01/01/21	4,000	4,083,040
New York (City of) Industrial Development Agency (YMCA of Greater New York); Series 1997, Civic Facility RB	5.80%	08/01/16	1,125	1,127,453

See accompanying Notes to Financial Statements which are an integral part of the financial statements.

	Interest Rate	Maturity Date	Principal Amount (000)	Value
New York (continued)				
New York (City of) Liberty Development Corp. (Bank of America Tower at One Bryant Park); Series 2010, Ref. Second Priority Liberty RB	6.38%	07/15/49	\$ 2,230	\$ 2,232,052
New York (City of) Municipal Water Finance Authority; Series 2005 C, Water & Sewer System RB ^(d)	5.00%	06/15/31	10,000	10,089,600
Series 2005 D, Water & Sewer System RB ^(d)	5.00%	06/15/37	12,000	11,903,640
Series 2009 FF-2, Water & Sewer System RB	5.50%	06/15/40	1,500	1,546,710
New York (City of) Transitional Finance Authority; Series 2008 S-2, Building Aid RB	6.00%	07/15/33	1,350	1,457,865
Series 2009 S-1, Building Aid RB	5.50%	07/15/38	2,950	3,029,856
Series 2009 S-3, Building Aid RB	5.25%	01/15/27	4,500	4,680,720
Series 2009 S-3, Building Aid RB	5.25%	01/15/39	2,000	2,017,220
New York (City of) Trust for Cultural Resources (American Museum of Natural History); Series 2004 A, Ref. RB (INS NATL ^{(9)(d)}	5.00%	07/01/44	10,890	10,604,900
New York (City of) Trust for Cultural Resources (Carnegie Hall); Series 2009 A, RB	5.00%	12/01/39	1,500	1,427,460
New York (City of); Series 2008 F-1, Unlimited Tax GO Bonds	5.50%	11/15/28	3,300	3,496,284