

Invesco Van Kampen Trust for Investment Grade New York Municipals
Form N-Q
July 29, 2011

OMB APPROVAL

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**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM N-Q
QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT
INVESTMENT COMPANY
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: 5/31/11

Item 1. Schedule of Investments.

**Invesco Van Kampen Trust for Investment
Grade New York Municipals**
Quarterly Schedule of Portfolio Holdings
May 31, 2011

invesco.com/us

VK-CE-IGNYM-QTR-1

05/11

Invesco Advisers, Inc.

Schedule of Investments

May 31, 2011

(Unaudited)

| | Interest Rate | Maturity Date | Principal Amount (000) | Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|---------------------------------------|--------------|
| Municipal Obligations 165.44% | | | | |
| New York 156.70% | | | | |
| Albany (City of) Capital Resource Corp. (St. Peters Hospital); Series 2011, RB | 6.25% | 11/15/38 | \$ 1,860 | \$ 1,882,413 |
| Albany (City of) Industrial Development Agency (St. Peter s Hospital); Series 2008 D, Civic Facility IDR | 5.75% | 11/15/27 | 1,000 | 1,004,240 |
| Battery Park (City of) City Authority; Series 2009 B, RB | 5.00% | 11/01/34 | 3,200 | 3,380,992 |
| Brooklyn (City of) Arena Local Development Corp. (Barclays Center); Series 2009, CAB RB ^(a) | 0.00% | 07/15/34 | 6,700 | 1,487,869 |
| Series 2009, PILOT RB | 6.25% | 07/15/40 | 825 | 830,115 |
| Series 2009, PILOT RB | 6.38% | 07/15/43 | 825 | 837,202 |
| Chautauqua (County of) Industrial Development Agency (NRG Dunkirk Power); Series 2009, Exempt Facility IDR | 5.88% | 04/01/42 | 2,340 | 2,230,535 |
| Dutchess (County of) Industrial Development Agency (Elant Fishkill, Inc.); Series 2007 A, Civic Facility IDR | 5.25% | 01/01/37 | 920 | 653,458 |
| East Rochester (City of) Housing Authority (Senior Living Woodland Village); Series 2006, Ref. RB | 5.50% | 08/01/33 | 2,400 | 1,924,272 |
| Erie (County of) Industrial Development Agency (City of Buffalo School District); Series 2011 A, School Facility RB | 5.25% | 05/01/28 | 3,245 | 3,436,520 |
| Series 2011 A, School Facility RB | 5.25% | 05/01/30 | 2,305 | 2,431,591 |
| Essex (County of) Industrial Development Agency (International Paper); Series 2005 A, Solid Waste Disposal Ref. IDR ^(b) | 5.20% | 12/01/23 | 2,150 | 2,093,756 |
| Hempstead (Town of) Industrial Development Agency (Adelphi University); Series 2002, Civic Facility IDR ^{(c)(f)} | 5.50% | 06/01/32 | 2,000 | 2,015,640 |
| Hempstead (Town of) Local Development Corp. (Molloy College); Series 2009, Corporate RB | 5.75% | 07/01/39 | 2,655 | 2,677,036 |
| Islip (City of) Resource Recovery Agency (1985 Facility); Series 1994 B, RB (INS-AMBAC) ^{(b)(d)} | 7.25% | 07/01/11 | 2,000 | 2,010,560 |
| Long Island (City of) Power Authority; Series 2003 C, Electric System RB (INS-CIFG) ^(d) | 5.25% | 09/01/29 | 400 | 431,072 |
| Series 2006 E, Electric System RB | 5.00% | 12/01/17 | 1,975 | 2,233,764 |
| Series 2009 A, Electric System RB | 6.25% | 04/01/33 | 1,860 | 2,073,398 |
| Madison (County of) Industrial Development Agency (Colgate University); Series 2005 A, Civic Facility IDR (INS-AMBAC) ^(d) | 5.00% | 07/01/35 | 1,620 | 1,636,297 |
| Madison (County of) Industrial Development Agency (Morrisville State College Foundation); Series 2005 A, Civic Facility IDR (INS-CIFG) ^(d) | 5.00% | 06/01/28 | 1,000 | 900,250 |
| Madison (County of) Industrial Development Agency (Oneida Health Systems, Inc.); Series 2007, Civic Facility IDR | 5.50% | 02/01/32 | 750 | 680,318 |
| | 5.25% | 11/15/27 | 1,535 | 1,645,858 |

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| Metropolitan Transportation Authority (Build America Bonds); Series 2009 B, Dedicated Tax Federal RB | | | | |
| Metropolitan Transportation Authority; Series 2005 B, RB (INS-BHAC) ^{(d)(e)} | 5.00% | 11/15/31 | 10,000 | 10,161,300 |
| Subseries 2011 B-2, Dedicated Tax Federal RB | 5.00% | 11/15/32 | 1,000 | 1,035,830 |
| Montgomery (County of) Industrial Development Agency (Hamilton Fulton Montgomery Board of Cooperative Educational Services); Series 2005 A, Lease IDR (INS-SYNCORA) ^(d) | 5.00% | 07/01/34 | 1,500 | 1,330,890 |
| Nassau (County of) Industrial Development Agency (Amsterdam at Harborside); Series 2007 A, Continuing Care Retirement Community IDR | 6.70% | 01/01/43 | 5,000 | 4,638,250 |
| New York (City of) Industrial Development Agency (7 World Trade Center, LLC); Series 2005 B, Liberty RB | 6.75% | 03/01/15 | 2,000 | 2,010,880 |
| 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 | 2,716,615 |
| Series 2009 A, Special Facility Ref. IDR | 5.00% | 05/01/29 | 1,500 | 1,550,940 |
| New York (City of) Industrial Development Agency (Queens Baseball Stadium); Series 2006, PILOT IDR (INS-AMBAC) ^(d) | 5.00% | 01/01/36 | 2,000 | 1,706,900 |
| New York (City of) Industrial Development Agency (Terminal One Group Association, L.P.); Series 2005, Special Facility IDR ^{(b)(f)(g)} | 5.50% | 01/01/19 | 3,710 | 3,939,204 |
| Series 2005, Special Facility IDR ^{(b)(f)(g)} | 5.50% | 01/01/20 | 3,000 | 3,153,300 |

See accompanying notes which are an integral part of this schedule.

Invesco Van Kampen Trust for Investment Grade New York Municipals

| | Interest Rate | Maturity Date | Principal Amount (000) | Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|---------------------------------------|--------------|
| New York (continued) | | | | |
| Series 2005, Special Facility IDR ^{(b)(f)(g)} New York (City of) Industrial Development Agency (YMCA of Greater New York); Series 1997, Civic Facility RB | 5.50% | 01/01/21 | \$ 4,000 | \$ 4,190,800 |
| New York (City of) Municipal Water Finance Authority; Series 2005 C, Water & Sewer System RB ^(e) Series 2005 D, Water & Sewer System RB ^(e) | 5.80% | 08/01/16 | 1,125 | 1,127,846 |
| New York (City of) Transitional Finance Authority; Series 2009 S-1, Building Aid RB Series 2009 S-3, Building Aid RB | 5.00% | 06/15/31 | 10,000 | 10,299,800 |
| New York (City of) Trust for Cultural Resources (American Museum of Natural History); Series 2004 A, Ref. RB (INS-NATL) ^{(d)(e)} | 5.00% | 06/15/37 | 12,000 | 12,106,680 |
| New York (City of); Subseries 2008 I-1, Unlimited Tax GO Bonds ^(e) Subseries 2008 L-1, Unlimited Tax GO Bonds ^(e) | 5.50% | 07/15/38 | 2,950 | 3,110,450 |
| New York (State of) Dormitory Authority (Brooklyn Law School); Series 2003 B, RB (INS-SYNCORA) ^(d) | 5.25% | 01/15/39 | 2,000 | 2,066,440 |
| New York (State of) Dormitory Authority (Catholic Health Services of Long Island St. Francis Hospital); Series 2004, Obligated Group RB | 5.00% | 07/01/44 | 10,890 | 10,949,786 |
| New York (State of) Dormitory Authority (City of New York Issue); Series 2005 A, Court Facilities Lease Non State Supported Debt RB (INS-AMBAC) ^(d) | 5.00% | 02/01/26 | 10,000 | 10,635,500 |
| New York (State of) Dormitory Authority (City University System Consolidated); Series 1993 A, RB Series 1995 A, RB | 5.00% | 04/01/27 | 10,000 | 10,586,100 |
| New York (State of) Dormitory Authority (Columbia University); Series 2011, Non State Supported Debt RB | 5.38% | 07/01/23 | 2,340 | 2,416,869 |
| New York (State of) Dormitory Authority (Convent of The Sacred Heart); Series 2011, Non State Supported Debt RB (INS-AGM) ^(d) | 5.00% | 07/01/27 | 2,200 | 2,199,912 |
| | 5.50% | 05/15/30 | 1,750 | 1,927,835 |
| | 5.75% | 07/01/13 | 1,925 | 2,012,607 |
| | 5.63% | 07/01/16 | 3,000 | 3,344,670 |
| | 5.00% | 10/01/41 | 2,225 | 2,347,775 |
| | 5.75% | 11/01/40 | 1,255 | 1,310,860 |
| | 5.00% | 07/01/25 | 1,500 | 1,558,515 |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|-------|-----------|
| New York (State of) Dormitory Authority (Department of Health); Series 2005 A, Supported Debt Ref. RB (INS-CIFG) ^(d) | | | | |
| New York (State of) Dormitory Authority (Education); Series 2008 B, State Personal Income Tax RB | 5.75% | 03/15/36 | 2,150 | 2,362,549 |
| New York (State of) Dormitory Authority (FIT Student Housing Corp.); Series 2007, Non State Supported Debt RB (INS-NATL/FGIC) ^(d) | 5.25% | 07/01/28 | 1,655 | 1,676,399 |
| New York (State of) Dormitory Authority (Fordham University); Series 2008 B, Non State Supported Debt RB (INS-AGL) ^(d) | 5.00% | 07/01/33 | 915 | 929,960 |
| Series 2011 A, Non State Supported Debt RB | 5.13% | 07/01/29 | 500 | 516,685 |
| New York (State of) Dormitory Authority (John T. Mather Memorial Hospital); Series 1996, RB (INS-CONNIE LEE) ^(d) | 6.50% | 07/01/11 | 1,720 | 1,724,954 |
| New York (State of) Dormitory Authority (Maimonides Medical Center); Series 2004, Mortgage Hospital RB (INS-NATL) ^(d) | 5.00% | 08/01/33 | 1,950 | 1,952,983 |
| New York (State of) Dormitory Authority (Manhattan College); Series 2007 A, Non State Supported Debt RB (INS-RADIAN) ^(d) | 5.00% | 07/01/41 | 2,315 | 1,985,645 |
| New York (State of) Dormitory Authority (Memorial Sloan Kettering Cancer Center); Series 1998 C, RB (INS-NATL) ^(d) | 5.50% | 07/01/23 | 3,750 | 4,378,837 |
| New York (State of) Dormitory Authority (Mental Health Services Facilities Improvement); Series 2007 A, State Supported Debt RB (INS-AGM) ^(d) | 5.00% | 02/15/27 | 2,000 | 2,077,740 |
| Series 2008 C, RB (INS-AGM) ^{(b)(d)} | 5.25% | 02/15/28 | 2,000 | 2,017,140 |
| New York (State of) Dormitory Authority (Mount Sinai School of Medicine); Series 2009, Non State Supported Debt RB | 5.13% | 07/01/39 | 1,750 | 1,742,177 |
| New York (State of) Dormitory Authority (New York University); Series 2001 1, RB (INS-AMBAC) ^(d) | 5.50% | 07/01/31 | 2,000 | 2,239,020 |
| Series 2001 1, RB (INS-BHAC) ^(d) | 5.50% | 07/01/31 | 830 | 934,107 |
| New York (State of) Dormitory Authority (North Shore Long Island Jewish Obligated Group); Series 2006 A, Non State Supported Debt RB | 5.00% | 11/01/26 | 4,000 | 4,011,120 |
| Series 2009 A, Non State Supported Debt RB | 5.50% | 05/01/37 | 1,250 | 1,255,513 |
| New York (State of) Dormitory Authority (NYU Hospitals Center); Series 2007 A, Non State Supported Debt RB | 5.00% | 07/01/36 | 1,500 | 1,383,225 |
| New York (State of) Dormitory Authority (Orange Regional Medical Center); Series 2008, Non State Supported Debt RB | 6.13% | 12/01/29 | 1,000 | 946,320 |

See accompanying notes which are an integral part of this schedule.

Invesco Van Kampen Trust for Investment Grade New York Municipals

| | Interest Rate | Maturity Date | Principal Amount (000) | Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|---------------------------------------|--------------|
| New York (continued) | | | | |
| Series 2008, Non State Supported Debt RB New York (State of) Dormitory Authority (Pratt Institution); | 6.50% | 12/01/21 | \$ 3,000 | \$ 3,000,000 |
| Series 2009 C, Non State Supported Debt RB (INS-AGL) ^(d) New York (State of) Dormitory Authority (Providence Rest); | 5.13% | 07/01/39 | 600 | 606,300 |
| Series 2005, Non State Supported Debt RB (INS-ACA) ^(d) Series 2005, Non State Supported Debt RB (INS-ACA) ^(d) | 5.00% | 07/01/35 | 2,000 | 1,237,880 |
| Series 2005, Non State Supported Debt RB (INS-ACA) ^(d) New York (State of) Dormitory Authority (Rochester Institute of Technology); Series 2010, Non State Supported Debt RB | 5.13% | 07/01/30 | 2,525 | 1,710,889 |
| Series 2010, Non State Supported Debt RB New York (State of) Dormitory Authority (School Districts Revenue Bond Financing Program); Series 2008 D, RB (INS-AGL) ^(d) | 5.00% | 07/01/40 | 1,350 | 1,352,390 |
| Series 2008 D, RB (INS-AGL) ^(d) New York (State of) Dormitory Authority (St. Francis College); | 5.75% | 10/01/24 | 2,000 | 2,240,940 |
| Series 2010, Non State Supported Debt RB New York (State of) Dormitory Authority (St. Josephs College); | 5.00% | 10/01/40 | 750 | 743,108 |
| Series 2010, Non State Supported Debt RB New York (State of) Dormitory Authority (State University Dormitory Facilities Issue); Series 2010 A, Lease RB | 5.25% | 07/01/35 | 1,000 | 997,240 |
| Series 2010 A, Lease RB New York (State of) Dormitory Authority (State University Dormitory Facilities); Series 2008 A, State Supported Debt Lease RB | 5.00% | 07/01/35 | 735 | 749,215 |
| Series 2008 A, State Supported Debt Lease RB New York (State of) Dormitory Authority (State University Educational Facilities); | 5.00% | 07/01/25 | 2,205 | 2,330,707 |
| Series 1993 A, RB (INS-NATL/IBC) ^(d) Series 1993 B, RB | 5.25% | 05/15/15 | 3,600 | 3,993,552 |
| Series 1993 B, RB New York (State of) Dormitory Authority (The New School); | 5.25% | 05/15/19 | 5,010 | 5,629,687 |
| Series 2010, Non State Supported Debt RB New York (State of) Dormitory Authority (Vassar College); | 5.50% | 07/01/40 | 2,200 | 2,264,042 |
| Series 2007, Non State Supported Debt RB New York (State of) Dormitory Authority; Series 2011 D, Non State Supported Debt School District Financing Program RB | 5.00% | 07/01/46 | 1,670 | 1,680,805 |
| Series 2011 D, Non State Supported Debt School District Financing Program RB New York (State of) Environmental Facilities Corp. (New York City Municipal Water Finance Authority); | 5.00% | 10/01/25 | 950 | 1,013,536 |
| Series 1994 A, State Water PCR ^(h) Series 1994 A, State Water PCR ^(h) | 5.75% | 06/15/12 | 300 | 317,220 |
| Series 1994 A, State Water PCR ^(h) Series 1994 A, State Water PCR | 5.75% | 06/15/12 | 500 | 528,645 |
| Series 1994 A, State Water PCR New York (State of) Environmental Facilities Corp. (State Clean Water and Drinking Water Pooled Financing Program Sub. MFI Bonds); | 5.75% | 06/15/12 | 95 | 100,332 |
| Series 2010 C, State Revolving RB New York (State of) Mortgage Agency; | 5.00% | 10/15/39 | 1,505 | 1,573,477 |
| Series 1998 71, Homeowner Mortgage RB ^(b) Series 2007 145, Homeowner Mortgage RB ^(b) | 5.40% | 04/01/29 | 800 | 800,024 |
| Series 2007 145, Homeowner Mortgage RB ^(b) New York (State of) Thruway Authority; | 5.05% | 10/01/29 | 1,555 | 1,507,883 |
| Series 2007 H, RB (INS-NATL) ^(d) Series 2008 B, Second General Highway & Bridge Trust Fund RB | 5.00% | 01/01/29 | 2,500 | 2,568,300 |
| Series 2008 B, Second General Highway & Bridge Trust Fund RB | 5.00% | 04/01/27 | 1,000 | 1,073,150 |
| | 5.50% | 01/01/14 | 3,315 | 3,518,176 |

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| New York (State of) Urban Development Corp. (Correctional Facility); Series 1994 A, Ref. RB | | | | |
| New York (State of) Urban Development Corp. (Rensselaer Polytechnic Institute Center for Industrial Innovation); Series 1995, Ref. RB | 5.50% | 01/01/13 | 855 | 885,532 |
| New York (State of) Urban Development Corp.; Series 2008 B, Service Contract Ref. RB | 5.25% | 01/01/25 | 2,000 | 2,156,020 |
| New York City (City of) Health & Hospital Corp.; Series 2010 A, Health System RB | 5.00% | 02/15/30 | 2,230 | 2,227,146 |
| New York City (City of) Industrial Development Agency (IAC/Interactive Corp.); Series 2005, Liberty IDR | 5.00% | 09/01/35 | 3,440 | 3,041,029 |
| New York City (City of) Industrial Development Agency (New York Stock Exchange); Series 2009 A, Ref. Special Facility IDR | 5.00% | 05/01/25 | 500 | 531,010 |
| New York City (City of) Industrial Development Agency (Polytechnic University); Series 2007, Civic Facility Ref. RB (INS-ACA) ^(d) | 5.25% | 11/01/37 | 3,500 | 3,331,930 |
| New York City (City of) Industrial Development Agency (Staten Island University Hospital); Series 2001 B, Civic Facility IDR | 6.38% | 07/01/31 | 1,735 | 1,734,913 |
| New York City (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 | 2,307,136 |
| New York City (City of) Municipal Water Finance Authority; Series 2009 FF-2, Water & Sewer System RB | 5.50% | 06/15/40 | 1,500 | 1,601,775 |

See accompanying notes which are an integral part of this schedule.

Invesco Van Kampen Trust for Investment Grade New York Municipals

| | Interest Rate | Maturity Date | Principal Amount (000) | Value |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|------------------------|--------------|
| New York (continued) | | | | |
| New York City (City of) Transitional Finance Authority; | | | | |
| Series 2008 S-2, Building Aid RB | 6.00% | 07/15/33 | \$ 1,350 | \$ 1,495,111 |
| Series 2009 S-3, Building Aid RB | 5.25% | 01/15/27 | 4,500 | 4,803,750 |
| Series 2011 E, Sec. Future Tax RB | 5.00% | 11/01/24 | 1,135 | 1,285,524 |
| New York City (City of) Trust for Cultural Resources (Carnegie Hall); Series 2009 A, RB | 5.00% | 12/01/39 | 1,500 | 1,501,545 |
| New York City (City of); | | | | |
| Series 2008 F-1, Unlimited Tax GO Bonds | 5.50% | 11/15/28 | 3,300 | 3,600,333 |
| Subseries 1993 E-4, VRD Unlimited Tax GO Bonds (LOC-BNP Paribas) ^{(i)(m)} | 0.11% | 08/01/22 | 5,000 | 5,000,000 |
| Subseries 1993 E-5, VRD Unlimited Tax GO Bonds (LOC-JPMorgan Chase Bank, N.A.) ^{(i)(m)} | 0.10% | 08/01/17 | 500 | 500,000 |
| Subseries 2008 L-5, VRD Unlimited Tax GO Bonds ⁽ⁱ⁾ | 0.75% | 04/01/35 | 900 | 900,000 |
| Subseries 2009 I-1, Unlimited Tax GO Bonds | 5.25% | 04/01/32 | 4,700 | 4,931,851 |
| Niagara Frontier Transportation Authority (Buffalo Niagara International Airport); Series 1999 A, Airport RB (INS-NATL) ^{(b)(d)} | 5.63% | 04/01/29 | 3,570 | 3,443,229 |
| Oneida (County of) Industrial Development Agency (St. Elizabeth Medical Center Facility); Series 1999 B, Civic Facility RB | 6.00% | 12/01/19 | 1,355 | 1,341,694 |
| Onondaga Civic Development Corp. (Le Moyne College); Series 2010, RB | 5.38% | 07/01/40 | 1,950 | 1,849,809 |
| Port Authority of New York & New Jersey (JFK International Air Terminal LLC); Series 2010, Special Obligation RB | 6.00% | 12/01/42 | 1,540 | 1,539,138 |
| Port Authority of New York & New Jersey (JFK International Air Terminal, LLC); Series 1997, Special Obligation RB (INS-NATL) ^{(b)(d)} | 5.75% | 12/01/22 | 2,000 | 1,948,060 |
| Series 1997, Special Obligation RB (INS-NATL) ^{(b)(d)} | 5.75% | 12/01/25 | 2,500 | 2,382,400 |
| Port Authority of New York & New Jersey; | | | | |
| Series 2006 144th, Consolidated RB ^(e) | 5.00% | 10/01/35 | 17,500 | 17,864,000 |
| Series 2008 152nd, Consolidated RB ^{(b)(e)} | 5.00% | 11/01/25 | 10,000 | 10,178,000 |
| Rockland (County of) Solid Waste Management Authority; Series 2003 B, RB (INS-AMBAC) ^{(b)(d)} | 5.13% | 12/15/28 | 1,000 | 981,830 |
| Saratoga (County of) Industrial Development Agency (Saratoga Hospital); Series 2007 B, Civic Facility IDR | 5.13% | 12/01/27 | 1,000 | 954,460 |
| Seneca (County of) Industrial Development Agency (Seneca Meadows, Inc.); Series 2005, Solid Waste Disposal RB ^{(b)(f)(g)(j)} | 6.63% | 10/01/13 | 1,500 | 1,500,105 |
| Sodus Central School District; Series 2002, Unlimited Tax Ref. GO Bonds (INS-NATL/FGIC) ^(d) | 5.13% | 06/15/17 | 1,250 | 1,303,350 |
| Suffolk (County of) Economic Development Corp. (Peconic Landing at Southold, Inc.); Series 2010, Ref. RB | 6.00% | 12/01/40 | 825 | 827,962 |
| Suffolk (County of) Industrial Development Agency (Eastern Long Island Hospital Association); Series 2007, Civic Facility IDR ⁽ⁱ⁾ | 5.38% | 01/01/27 | 1,995 | 1,549,337 |
| Tompkins (County of) Industrial Development Agency (Cornell University); Series 2008 A, Civic Facility IDR | 5.00% | 07/01/37 | 750 | 775,133 |
| Triborough Bridge & Tunnel Authority; Series 2001 A, General Purpose RB | 5.00% | 01/01/32 | 15 | 15,046 |
| Troy (City of) Capital Resource Corp. (Rensselaer Polytechnic); Series 2010 A, RB | 5.00% | 09/01/30 | 2,000 | 2,010,880 |
| | 5.00% | 06/01/34 | 2,000 | 1,471,560 |

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| TSASC, Inc.; | | | | |
| Series 2006 1, Tobacco Settlement RB | | | | |
| Series 2006 1, Tobacco Settlement RB | 5.13% | 06/01/42 | 3,135 | 2,104,808 |
| United Nations Development Corp. Series 2009 A, Ref. RB | 5.00% | 07/01/25 | 1,000 | 1,068,810 |
| Warren & Washington (County of) Industrial Development Agency (Glens Falls Hospital); Series 2003 A, Civic Facility IDR (INS-AGM) ^(d) | 5.00% | 12/01/35 | 1,360 | 1,332,718 |
| Westchester (County of) Industrial Development Agency (Kendal on Hudson); Series 2003 A, Continuing Care Retirement Mortgage IDR ^{(c)(f)} | 6.50% | 01/01/34 | 3,000 | 3,278,730 |
| Westchester (County of) Tobacco Asset Securitization Corp.; Series 2005, RB | 5.13% | 06/01/45 | 5,500 | 3,782,350 |
| Yonkers (City of) Economic Development Corp. (Charter School of Educational Excellence) Series 2010 A, Educational RB | 6.25% | 10/15/40 | 1,200 | 1,105,068 |
| | | | | 333,048,664 |

Puerto Rico 5.05%

| | | | | |
|---------------------------------------------------------|-------|----------|-------|-----------|
| Puerto Rico (Commonwealth of) Electric Power Authority; | | | | |
| Series 2007 TT, RB | 5.00% | 07/01/37 | 1,000 | 922,030 |
| Series 2008 WW, Power RB | 5.00% | 07/01/28 | 1,000 | 958,920 |
| Series 2008 WW, Power RB | 5.25% | 07/01/33 | 1,500 | 1,443,045 |
| Series 2008 WW, Power RB | 5.50% | 07/01/21 | 1,000 | 1,057,240 |
| Series 2010 XX, Power RB | 5.75% | 07/01/36 | 600 | 607,584 |

See accompanying notes which are an integral part of this schedule.

Invesco Van Kampen Trust for Investment Grade New York Municipals

| | Interest Rate | Maturity Date | Principal Amount (000) | Value |
|---------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|------------------------------|--------------|
| Puerto Rico (continued) | | | | |
| Puerto Rico (Commonwealth of) Infrastructure Financing Authority; Series 2005 C, Ref. Special Tax RB (INS-AMBAC) ^(d) | 5.50% | 07/01/27 | \$ 1,225 | \$ 1,228,834 |
| Puerto Rico (Commonwealth of) Public Buildings Authority (Government Facilities); Series 2004 I, RB ^{(c)(f)} | 5.25% | 07/01/33 | 75 | 85,083 |
| Puerto Rico (Commonwealth of) Sales Tax Financing Corp.; First Sub. Series 2009 A, Sales Tax RB | 6.38% | 08/01/39 | 1,500 | 1,587,300 |
| Puerto Rico Sales Tax Financing Corp.; First Sub. Series 2010 A, Sales Tax RB | 5.38% | 08/01/39 | 945 | 922,812 |
| Puerto Rico Sales Tax Financing Corp.; First Sub. Series 2010 C, Sales Tax RB | 5.25% | 08/01/41 | 2,000 | 1,912,460 |
| | | | | 10,725,308 |
| Guam 2.19% | | | | |
| Guam (Territory of) (Section 30); Series 2009 A, Limited Obligation RB | 5.63% | 12/01/29 | 750 | 749,572 |
| Guam (Territory of) (Section 30); Series 2009 A, Limited Obligation RB | 5.75% | 12/01/34 | 500 | 500,665 |
| Guam (Territory of) Government Waterworks Authority; Series 2010, Water & Wastewater System RB | 5.63% | 07/01/40 | 3,000 | 2,649,240 |
| Guam (Territory of) Power Authority; Series 2010 A, RB | 5.50% | 10/01/40 | 820 | 762,592 |
| | | | | 4,662,069 |
| Virgin Islands 1.50% | | | | |
| Virgin Islands (Government of) Public Finance Authority (Gross Receipts Taxes Loan Note); Series 1999 A, RB | 6.38% | 10/01/19 | 1,500 | 1,510,905 |
| Virgin Islands (Government of) Public Finance Authority (Matching Fund Loan Note - Diageo); Series 2009 A, Sub. RB | 6.63% | 10/01/29 | 1,600 | 1,673,936 |
| | | | | 3,184,841 |
| TOTAL INVESTMENTS(k) 165.44% (Cost \$351,440,633) | | | | 351,620,882 |

Floating Rate Note Obligations⁽¹⁾ (25.02)%

Notes with interest rates ranging from 0.18% to 0.27% at 05/31/11, and contractual maturities of collateral ranging from 11/01/25 to 07/01/44
(See Note 1E)

(53,175,000)

OTHER ASSETS LESS LIABILITIES 0.52%

1,095,663

PREFERRED SHARES (40.93)%

(87,000,000)

NET ASSETS APPLICABLE TO COMMON
SHARES 100.00%

\$212,541,545

Investment Abbreviations:

| | |
|------------|------------------------------------------|
| ACA | ACA Financial Guaranty Corp. |
| AGL | Assured Guaranty Ltd. |
| AGM | Assured Guaranty Municipal Corp. |
| AMBAC | American Municipal Bond Assurance Corp.* |
| BHAC | Berkshire Hathaway Assurance Corp. |
| CAB | Capital Appreciation Bonds |
| CIFG | CIFG Assurance North America, Inc. |
| CONNIE LEE | Connie Lee Insurance Corp. |
| FGIC | Financial Guaranty Insurance Co. |
| GO | General Obligation |
| IBC | International Bancshares Corp. |
| IDR | Industrial Development Revenue Bonds |
| INS | Insurer |
| LOC | Letter of Credit |
| NATL | National Public Finance Guarantee Corp. |
| PCR | Pollution Control Revenue Bonds |
| PILOT | Payment-in-Lieu-of-Tax |
| RADIAN | Radian Asset Assurance, Inc. |

RB Revenue Bonds

Ref. Refunding

See accompanying notes which are an integral part of this schedule.

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SYNCORA Syncora Guarantee, Inc.

Sub. Subordinated

VRD Variable Rate Demand

Notes to Schedule of Investments:

- (a) Zero coupon bond issued at a discount.
- (b) Security subject to the alternative minimum tax.
- (c) Advance refunded.
- (d) Principal and/or interest payments are secured by the bond insurance company listed.
- (e) Underlying security related to Dealer Trusts entered into by the Trust. See Note 1E.
- (f) Security has an irrevocable call by the issuer or mandatory put by the holder. Maturity date reflects such call or put.
- (g) Interest or dividend rate is redetermined periodically. Rate shown is the rate in effect on May 31, 2011.
- (h) Advance refunded; secured by an escrow fund of U.S. Government obligations or other highly rated collateral.
- (i) Demand security payable upon demand by the Fund at specified time intervals no greater than thirteen months. Interest rate is redetermined periodically. Rate shown is the rate in effect on May 31, 2011.
- (j) Security purchased or received in a transaction exempt from registration under the Securities Act of 1933, as amended. The security may be resold pursuant to an exemption from registration under the 1933 Act, typically to qualified institutional buyers. The aggregate value of these securities at May 31, 2011 was \$3,049,442, which represented 1.43% of the Trust's net assets applicable to common shares.
- (k) This table provides a listing of those entities that have either issued, guaranteed, backed or otherwise enhanced the credit quality of more than 5% of the securities held in the portfolio. In instances where the entity has guaranteed, backed or otherwise enhanced the credit quality of a security, it is not primarily responsible for the issuer's obligations but may be called upon to satisfy the issuer's obligations.

Entities

Percentage

National Public Finance Guarantee Corp.

9.84%

(l) Floating rate note obligations related to securities held. The interest rates shown reflect the rates in effect at May 31, 2011. At May 31, 2011, the Trust's investments with a value of \$92,781,166 are held by Dealer Trusts and serve as collateral for the \$53,175,000 in the floating rate note obligations outstanding at that date.

(m) Principal and interest payments are fully enhanced by a letter of credit from the bank listed or a predecessor bank, branch or subsidiary.

* AMBAC filed for bankruptcy on November 8, 2010.

See accompanying notes which are an integral part of this schedule.

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Notes to Quarterly Schedule of Portfolio Holdings

May 31, 2011

(Unaudited)

NOTE 1 Significant Accounting Policies

A. Security Valuations Securities, including restricted securities, are valued according to the following policy.

Securities are fair valued using an evaluated quote provided by an independent pricing service approved by the Board of Trustees. Evaluated quotes provided by the pricing service may be determined without exclusive reliance on quoted prices and may reflect appropriate factors such as institution-size trading in similar groups of securities, yield, quality, coupon rate, maturity, type of issue, individual trading characteristics and other market data. Short-term obligations, including commercial paper, having 60 days or less to maturity are recorded at amortized cost which approximates value. Securities with a demand feature exercisable within one to seven days are valued at par. Debt securities are subject to interest rate and credit risks. In addition, all debt securities involve some risk of default with respect to interest and principal payments.

Securities for which market quotations either are not readily available or are unreliable are valued at fair value as determined in good faith by or under the supervision of the Trust's officers following procedures approved by the Board of Trustees. Some of the factors which may be considered in determining fair value are fundamental analytical data relating to the investment; the nature and duration of any restrictions on transferability or disposition; trading in similar securities by the same issuer or comparable companies; relevant political, economic or issuer specific news; and other relevant factors under the circumstances.

Valuations change in response to many factors including the historical and prospective earnings of the issuer, the value of the issuer's assets, general economic conditions, interest rates, investor perceptions and market liquidity. Because of the inherent uncertainties of valuation, the values reflected in the financial statements may materially differ from the value received upon actual sale of those investments.

B. Securities Transactions and Investment Income Securities transactions are accounted for on a trade date basis.

Realized gains or losses on sales are computed on the basis of specific identification of the securities sold. Interest income is recorded on the accrual basis from settlement date. Dividend income (net of withholding tax, if any) is recorded on the ex-dividend date. Bond premiums and discounts are amortized and/or accreted for financial reporting purposes.

The Trust may periodically participate in litigation related to Trust investments. As such, the Trust may receive proceeds from litigation settlements. Any proceeds received are included in the Statement of Operations as realized gain (loss) for investments no longer held and as unrealized gain (loss) for investments still held.

Brokerage commissions and mark ups are considered transaction costs and are recorded as an increase to the cost basis of securities purchased and/or a reduction of proceeds on a sale of securities. Such transaction costs are included in the determination of net realized and unrealized gain (loss) from investment securities reported in the Statement of Operations and the Statement of Changes in Net Assets and the net realized and unrealized gains (losses) on securities per share in the Financial Highlights. Transaction costs are included in the calculation of the Trust's net asset value and, accordingly, they reduce the Trust's total returns. These transaction costs are not considered operating expenses and are not reflected in net investment income reported in the Statement of Operations and Statement of Changes in Net Assets, or the net investment income per share and ratios of expenses and net investment income reported in the Financial Highlights, nor are they limited by any expense limitation arrangements between the Trust and the investment adviser.

C. Country Determination For the purposes of making investment selection decisions and presentation in the Schedule of Investments, the investment adviser may determine the country in which an issuer is located and/or credit risk exposure based on various factors. These factors include the laws of the country under which the issuer is organized, where the issuer maintains a principal office, the country in which the issuer derives 50% or more of its total revenues and the country that has the primary market for the issuer's securities, as well as other criteria. Among the other criteria that may be evaluated for making this determination are the country in which the issuer maintains 50% or more of its assets, the type of security, financial guarantees and enhancements, the nature of the collateral and the sponsor organization. Country of issuer and/or credit risk exposure has been determined to be

the United States of America, unless otherwise noted.

D. Securities Purchased on a When-Issued and Delayed Delivery Basis The Trust may purchase and sell interests in portfolio securities on a when-issued and delayed delivery basis, with payment and delivery scheduled for a future date. No income accrues to the Trust on such interests or securities in connection with such transactions prior to the date the Trust actually takes delivery of such interests or securities. These transactions are subject to market fluctuations and are

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subject to the risk that the value at delivery may be more or less than the trade date purchase price. Although the Trust will generally purchase these securities with the intention of acquiring such securities, they may sell such securities prior to the settlement date.

E. Floating Rate Note Obligations The Trust invests in inverse floating rate securities, such as Residual Interest Bonds (RIBs) or Tender Option Bonds (TOBs) for investment purposes and to enhance the yield of the Trust. Inverse floating rate investments tend to underperform the market for fixed rate bonds in a rising interest rate environment, but tend to outperform the market for fixed rate bonds when interest rates decline or remain relatively stable. Such transactions may be purchased in the secondary market without first owning the underlying bond or by the sale of fixed rate bonds by the Trust to special purpose trusts established by a broker dealer (Dealer Trusts) in exchange for cash and residual interests in the Dealer Trusts' assets and cash flows, which are in the form of inverse floating rate securities. The Dealer Trusts finance the purchases of the fixed rate bonds by issuing floating rate notes to third parties and allowing the Trust to retain residual interest in the bonds. The floating rate notes issued by the Dealer Trusts have interest rates that reset weekly and the floating rate note holders have the option to tender their notes to the Dealer Trusts for redemption at par at each reset date. The residual interests held by the Trust (inverse floating rate investments) include the right of the Trust (1) to cause the holders of the floating rate notes to tender their notes at par at the next interest rate reset date, and (2) to transfer the municipal bond from the Dealer Trusts to the Trust, thereby collapsing the Dealer Trusts.

TOBs are presently classified as private placement securities. Private placement securities are subject to restrictions on resale because they have not been registered under the Securities Act of 1933, as amended or are otherwise not readily marketable. As a result of the absence of a public trading market for these securities, they may be less liquid than publicly traded securities. Although these securities may be resold in privately negotiated transactions, the prices realized from these sales could be less than those originally paid by the Trust or less than what may be considered the fair value of such securities.

The Trust accounts for the transfer of bonds to the Dealer Trusts as secured borrowings, with the securities transferred remaining in the Trust's investment assets, and the related floating rate notes reflected as Trust liabilities under the caption *Floating rate note obligations* on the Statement of Assets and Liabilities. The Trust records the interest income from the fixed rate bonds under the caption *Interest* and records the expenses related to floating rate obligations and any administrative expenses of the Dealer Trusts a component of *Interest, facilities and maintenance fees* on the Statement of Operations.

The Trust generally invests in inverse floating rate securities that include embedded leverage, thus exposing the Trust to greater risks and increased costs. The primary risks associated with inverse floating rate securities are varying degrees of liquidity and the changes in the value of such securities in response to changes in market rates of interest to a greater extent than the value of an equal principal amount of a fixed rate security having similar credit quality, redemption provisions and maturity which may cause the Trust's net asset value to be more volatile than if it had not invested in inverse floating rate securities. In certain instances, the short-term floating rate interests created by the special purpose trust may not be able to be sold to third parties or, in the case of holders tendering (or putting) such interests for repayment of principal, may not be able to be remarketed to third parties. In such cases, the special purpose trust holding the long-term fixed rate bonds may be collapsed. In the case of RIBs or TOBs created by the contribution of long-term fixed income bonds by the Trust, the Trust will then be required to repay the principal amount of the tendered securities. During times of market volatility, illiquidity or uncertainty, the Trust could be required to sell other portfolio holdings at a disadvantageous time to raise cash to meet that obligation.

F. Other Risks The value of, payment of interest on, repayment of principal for and the ability to sell a municipal security may be affected by constitutional amendments, legislative enactments, executive orders, administrative regulations, voter initiatives and the economics of the regions in which the issuers are located.

Since many municipal securities are issued to finance similar projects, especially those relating to education, health care, transportation and utilities, conditions in those sectors can affect the overall municipal securities market and a Trust's investments in municipal securities.

There is some risk that a portion or all of the interest received from certain tax-free municipal securities could become taxable as a result of determinations by the Internal Revenue Service.

NOTE 2 Additional Valuation Information

Generally Accepted Accounting Principles (GAAP) defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date, under current market conditions. GAAP establishes a hierarchy that prioritizes the inputs to valuation methods giving the highest priority

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to readily available unadjusted quoted prices in an active market for identical assets (Level 1) and the lowest priority to significant unobservable inputs (Level 3) generally when market prices are not readily available or are unreliable. Based on the valuation inputs, the securities or other investments are tiered into one of three levels. Changes in valuation methods may result in transfers in or out of an investment's assigned level:

- Level 1 Prices are determined using quoted prices in an active market for identical assets.
- Level 2 Prices are determined using other significant observable inputs. Observable inputs are inputs that other market participants may use in pricing a security. These may include quoted prices for similar securities, interest rates, prepayment speeds, credit risk, yield curves, loss severities, default rates, discount rates, volatilities and others.
- Level 3 Prices are determined using significant unobservable inputs. In situations where quoted prices or observable inputs are unavailable (for example, when there is little or no market activity for an investment at the end of the period), unobservable inputs may be used. Unobservable inputs reflect the Trust's own assumptions about the factors market participants would use in determining fair value of the securities or instruments and would be based on the best available information.

The following is a summary of the tiered valuation input levels, as of May 31, 2011. The level assigned to the securities valuations may not be an indication of the risk or liquidity associated with investing in those securities. Because of the inherent uncertainties of valuation, the values reflected in the financial statements may materially differ from the value received upon actual sale of those investments.

During the three months ended May 31, 2011, there were no significant transfers between investment levels.

| | Level 1 | Level 2 | Level 3 | Total |
|-----------------------|--------------------|----------------|--------------------|---------------|
| Municipal Obligations | \$ | \$351,620,882 | \$ | \$351,620,882 |

NOTE 3 Investment Securities

The aggregate amount of investment securities (other than short-term securities, U.S. Treasury obligations and money market funds, if any) purchased and sold by the Trust during the three months ended May 31, 2011 was \$16,632,302 and \$28,694,142, respectively. Cost of investments on a tax basis includes the adjustments for financial reporting purposes as of the most recently completed Federal income tax reporting period-end.

Unrealized Appreciation (Depreciation) of Investment Securities on a Tax Basis

| | |
|--------------------------------------------------------------|---------------|
| Aggregate unrealized appreciation of investment securities | \$ 14,489,276 |
| Aggregate unrealized (depreciation) of investment securities | (12,712,570) |
| Net unrealized appreciation of investment securities | \$ 1,776,706 |

Cost of investments for tax purposes is \$349,844,176.

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Item 2. Controls and Procedures.

- (a) As of June 10, 2011, an evaluation was performed under the supervision and with the participation of the officers of the Registrant, including the Principal Executive Officer (PEO) and Principal Financial Officer (PFO), to assess the effectiveness of the Registrant s disclosure controls and procedures, as that term is defined in Rule 30a-3(c) under the Investment Company Act of 1940 (Act), as amended. Based on that evaluation, the Registrant s officers, including the PEO and PFO, concluded that, as of June 10, 2011, the Registrant s disclosure controls and procedures were reasonably designed so as to ensure: (1) that information required to be disclosed by the Registrant on Form N-Q is recorded, processed, summarized and reported within the time periods specified by the rules and forms of the Securities and Exchange Commission; and (2) that material information relating to the Registrant is made known to the PEO and PFO as appropriate to allow timely decisions regarding required disclosure.
- (b) There have been no changes in the Registrant s internal control over financial reporting (as defined in Rule 30a-3(d) under the Act) 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.

Certifications of PEO and PFO as required by Rule 30a-2(a) under the Investment Company Act of 1940.

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: Invesco Van Kampen Trust for Investment Grade New York Municipals

By: /s/ Colin Meadows
Colin Meadows
Principal Executive Officer

Date: July 29, 2011

Pursuant to the requirements of the Securities and 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: /s/ Colin Meadows
Colin Meadows
Principal Executive Officer

Date: July 29, 2011

By: /s/ Sheri Morris
Sheri Morris
Principal Financial Officer

Date: July 29, 2011

EXHIBIT INDEX

Certifications of Principal Executive Officer (PEO) and Principal Financial Officer (PFO) as required by Rule 30a-2(a) under the Investment Company Act of 1940, as amended.