Nuveen Build America Bond Fund Form N-Q August 27, 2010

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM N-O

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-22391

Nuveen Build America Bond 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: 3/31

Date of reporting period: 6/30/10

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 Build America Bond Fund (NBB) June 30, 2010

Principal

Amount (000) Description (1)

Alabama – 1.0% (0.8% of Total Investments)

\$ 5,000 Hartselle, Alabama, General Obligation Bonds, Federally Taxable Build America Bonds, Series 2010, 6.200%, 6/01/39

Arizona – 2.9% (2.4% of Total Investments)

- 5,000 Arizona Board of Regents, Univeristy of Arizona, System Revenue Bonds, Build America Taxable Bonds, Series 2010A, 6.423%, 8/01/35
- 10,000 Mesa, Arizona, Utility System Revenue Bonds, Series 2010, 6.100%, 7/01/34
- 15,000 Total Arizona
 - California 19.4% (16.2% of Total Investments)
 - 500 California Infrastructure Economic Development Bond Bank, Revenue Bonds, University of California San Francisco Neurosciences Building, Build America Taxable Bond Series 2010B, 6.486%, 5/15/49
- 9,000 California State Public Works Board, Lease Revenue Bonds, Various Capital Projects, Build America Taxable Bond Series 2010A-2, 8.000%, 3/01/35
- 7,000 California State University, Systemwide Revenue Bonds, Build America Taxable Bond Series 2010B, 6.484%, 11/01/41
- 10,000 California State, General Obligation Bonds, Various Purpose Build America Taxable Bond Series 2010, 7.950%, 3/01/36
- 3,000 Fresno, California, Water System Revenue Bonds, Build America Taxable Bond Series 2010A-2, 6.750%, 6/01/40
- 20,000 Los Angeles Department of Water and Power, California, Power System Revenue Bonds, Federally Taxable Direct Payment Build America Bonds, Series 2010A, 5.716%, 7/01/39
- 9,520 Napa Valley Unified School District, Napa County, California, General Obligation Bonds, Build America Taxable Bond Series 2010B, 6.507%, 8/01/43
- 5,000 Orange County Sanitation District, California, Wastewater Revenue Bonds, Build America Taxable Bond Series 2010A, 5.580%, 2/01/40
- 6,175 Pacifica, California, General Obligiation Taxable Pension Bonds, Series 2010, 6.899%, 6/01/30 AGM Insured
- 2,355 San Bernardino Community College District, California, General Obligation Bonds, Election of 2008, Build America Taxable Bond Series 2009C, 7.630%, 8/01/44
- 7,840 San Francisco City and County Redevelopment Financing Authority, California, Taxable Tax Allocation Revenue Bonds, San Francisco Redevelopment Projects, Series 2009F, 8.406%, 8/01/39
- 4,000 San Francisco City and County, California, Certificates of Participation, 525 Golden Gate

- Avenue, San Francisco Public Utilities Commission Office Project, Tender Option Bond Trust B001, 30.322%, 11/01/30 (IF)
- 2,000 Santa Barbara County, California, Certificates of Participation, Recovery Zone Economic Development Taxable Bonds, Series 2010A-2, 6.250%, 12/01/40
- 5,000 Walnut Energy Center Authority, California, Electric Revenue Bonds, Turlock Irrigation District, Build America Taxable Bonds, Series 2010B, 6.230%, 1/01/29
- 5,000 West Kern Water District, California, Certificates of Participation, Land Acquistion Project, Build America Bonds, Series 10B, 6.720%, 6/01/40
- 96,390 Total California Colorado – 2.8% (2.3% of Total Investments)
- 2,000 Mesa County, Colorado, Certificates of Participation, Build America Taxable Bonds, Series 2010A, 6.371%, 12/01/30
- 3,000 Mesa State College, Colorado, Auxiliary Facilities Enterprise Revenue Bonds, Build America Taxable Bond Series 2010B, 6.746%, 5/15/42
- 1,000 Metropolitan State College of Denver, Colorado, Institutional Enterprise Revenue Bonds, Federally Taxable Build America Bonds, Recovery Zone Eonomic Development Project, Series 2010, 6.000%, 12/01/40
- 5,000 St. Vrain Valley School District RE-1J, Boulder, Larimer and Weld Counties, Colorado, General Obligation Bonds, Build America Taxable Bond Series 2010B, 5.790%, 12/15/33
- 3,000 Westminster County, Colorado, Water and Wastewater Utility Enterprise Revenue Bonds, Build America Taxable Bonds, Series 2010, 5.818%, 12/01/30
- 14,000 Total Colorado Connecticut – 1.3% (1.1% of Total Investments)
- 6,000 Harbor Point Infrastructure Improvement District, Connecticut, Special Obligation Revenue Bonds, Harbor Point Project, Federally Taxable – Issuer Subsidy – Recovery Zone Economic Development Bond Series 2010B, 12.500%, 4/01/39 Florida – 7.7% (6.4% of Total Investments)
- 10,000 Cape Coral, Florida, Gas Tax Revenue Bonds, Federally Taxable Build America Bonds Direct Payment, Series 2010B, 7.147%, 10/01/30
- 6,195 Florida State Board of Education, Public Education Capital Outlay Bonds, Build America Taxable Bonds, Series 2010G, 5.750%, 6/01/35
- 12,080 Lee Memorial Health System, Florida, Hospital Revenue Bonds, Build America Taxable Bond Series 2010A, 7.281%, 4/01/27
- 9,575 Orlando Community Redevelopment Agency, Florida, Tax Increment Revenue Bonds, Downtown District, Direct Subsidy Build America Table Bond Series 2010B, 7.784%, 9/01/40
- 37,850 Total Florida Georgia – 4.7% (4.0% of Total Investments)
- 10,000 Georgia Municipal Electric Authority, Plant Vogtle Units 3 & 4 Project J Bonds, Taxable Build America Bonds Series 2010A, 6.637%, 4/01/57
- 15,000 Georgia Municipal Electric Authority, Plant Vogtle Units 3 & 4 Project P Bonds, Refunding Taxable Build America Bonds Series 2010A, 7.055%, 4/01/57

- 25,000 Total Georgia
 - Illinois 4.9% (4.1% of Total Investments)
- 3,750 Chicago, Illinois, General Airport Revenue Bonds, O'Hare International Airport, Third Lien, Build America Taxable Bond Series 2010B, 6.845%, 1/01/38
- 2,400 Cook County School District 151 South Holland, Illinois, General Obligation Bonds, Build America Taxable Bonds, Series 2010B, 6.125%, 2/01/30
- 5,000 Cook County, Illinois, General Obligation Bonds, Build America Taxable Bonds, Series 2010D, 6.229%, 11/15/34
- 13,875 Illinois State, General Obligation Bonds, Taxable Build America Bonds, Series 2010-3, 6.725%, 4/01/35
 - 450 Lakewood, Illinois, General Obligation Bonds, Waterworks & Sewer Alternative Revenue Source, Build America Taxable Bond Series 2010A, 6.300%, 12/01/34
- 25,475 Total Illinois

Indiana – 4.1% (3.4% of Total Investments)

Evansville Redevelopment Authority, Indiana, Lease Rental Revenue Bonds, Build America Taxable Bond Series 2010B:

- 1,250 6.960%, 2/01/34
- 9,500 7.210%, 2/01/39
- 5,000 Indiana University, Consolidated Revenue Bonds, Build America Taxable Bonds, Series 2010B, 5.636%, 6/01/35
- 5,000 Speedway Redevelopment Authority, Indiana, Lease Rental Revenue Bonds, Federally Taxable Build America Bonds, Series 2010A, 6.512%, 2/01/35
- 20,750 Total Indiana
 - Kansas 0.4% (0.3% of Total Investments)
- 2,105 Wallace County, Kansas, General Obligation Bonds, Build America Taxable Series 2010B, 6.449%, 9/01/30
 - Kentucky 1.2% (1.0% of Total Investments)
- 5,000 Kentucky Municipal Power Agency, Power Supply System Revenue Bonds, Prairie State Project, Tender Option Bond Trust B002, 28.592%, 9/01/37 AGM Insured (IF)

 Louisiana 3.9% (3.3% of Total Investments)
- 20,000 East Baton Rouge Sewage Commission, Louisiana, Revenue Bonds, Build America Taxable Bonds, Series 2010B, 6.087%, 2/01/45

Michigan – 8.4% (7.1% of Total Investments)

Belding School District, Ionia, Kent and Montcalm Counties, Michigan, General Obligation Bonds, Build America Series 2010B:

- 1,000 6.520%, 5/01/30
- 1,500 6.620%, 5/01/35
- 14,650 Detroit City School District, Wayne County, Michigan State, Unlimited Tax General Obligation, Build America Bonds, Taxable Direct Payment Bonds, Series 2009B, 7.747%, 5/01/39
- 4,500 Hartland Consolidated School District, Livingston County, Michigan, General Obligation Bonds, Build America Taxable Bond Series 2010C, 6.550%, 5/01/35

- 5,000 Jackson Public Schools, Jackson County, Michigan, General Obligation Bonds, Qualified School Construction Bonds Taxable Direct Payment, Series 2010B, 6.450%, 5/01/27
- 1,170 Michigan Tobacco Settlement Finance Authority, Tobacco Settlement Asset-Backed Revenue Bonds, Taxable Turbo Series 2006A, 7.309%, 6/01/34
 - Monroe, Michigan, Limited Tax General Obligation Bonds, Taxable Recovery Zone Economic Development Bonds, Series 2010:
 - 950 6.650%, 5/01/27
- 1,000 6.800%, 5/01/29
- 1,000 7.000%, 5/01/31
 - Van Dyke Public Schools, Macomb County, Michigan, General Obligation Bonds, Federally Taxable Build America Bonds, Series 2010:
- 4,500 6.550%, 5/01/35
- 6,740 6.600%, 5/01/40
- 42,010 Total Michigan
 - Missouri 0.4% (0.4% of Total Investments)
 - 1,900 Missouri Joint Municipal Electric Utility Commission, Power Project Revenue Bonds, Prairie State Project, Federally Taxable Build America Bonds Direct Pay, Series 2009A, 6.890%, 1/01/42 Nebraska 0.3% (0.3% of Total Investments)
 - 1,670 District Energy Corporation, Nebraska, Facility Revenue Bonds, Build America Taxable Bonds, Series 2010B, 5.901%, 7/01/32
 - Nevada 1.1% (0.9% of Total Investments)
 - 1,165 Las Vegas, Nevada, Certificates of Participation, City Hall Project, Build America Federally Taxable Bonds, Series 2009B, 7.800%, 9/01/39
- 4,000 North Las Vegas, Nevada, General Obligation Water and Wastewater Improvement Bonds, Build America Taxable Bonds, Series 2010A, 6.572%, 6/01/40
- 5,165 Total Nevada
 - New York 12.8% (10.7% of Total Investments)
- 25,000 Dormitory Authority of the State of New York, State Personal Income Tax Revenue Bonds, Build America Taxable Bonds, Series 2010D, 5.600%, 3/15/40
- 10,000 Long Island Power Authority, New York, Electric System Revenue Bonds, Build America Taxable Bond Series 2010B, 5.850%, 5/01/41
- 4,620 New York City Municipal Water Finance Authority, New York, Water and Sewer System Revenue Bonds, Second Generation Resolution, Taxable Build America Bonds, Series 2010DD, 5.952%, 6/15/42
- 25,000 New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Build America Taxable Bonds, Series 2010G-1, 5.467%, 5/01/40 (5)
- 64,620 Total New York

 North Carolina 1.4% (1.2% of Total
 - North Carolina 1.4% (1.2% of Total Investments)
- 4,785 East Carolina University, North Carolina, General Revenue Bonds, Build America Taxable Bond Series 2010B, 5.875%, 10/01/35
- 2,500 High Point, North Carolina, Combined Enterprise System Revenue Bonds, Build America Taxable Bonds, Series 2010B, 5.921%, 11/01/35

- 7,285 Total North Carolina
 - Ohio 4.3% (3.6% of Total Investments)
 - 500 American Municipal Power Inc., Ohio, Combined Hydroelectric Projects Revenue Bonds, Federally Taxable Build America Bonds, Series 2009B, 6.424%, 2/15/32
- 10,000 Buckeye Tobacco Settlement Financing Authority, Ohio, Tobacco Settlement Asset-Backed Revenue Bonds, Senior Lien, Series 2007A-2, 5.875%, 6/01/47
- 9,490 Franklin County Convention Facilities Authority, Ohio, Lease Revenue Anticipation Bonds, Federally Taxable Direct Payment Build America Bonds, Series 2010, 6.640%, 12/01/42
- 5,000 Lucas County, Ohio, General Obligation Bonds, Taxable Arena improvement Series 2010, 6.150%, 10/01/40
- 24,990 Total Ohio
 - Oklahoma 0.4% (0.3% of Total Investments)
- 2,000 Tulsa County Industrial Authority, Oklahoma, Educational Facilities Lease Revenue Bonds, Sand Springs Public Schools Project, Federally Taxable Build America Bonds, Series 2010A, 6.129%, 9/01/24 Oregon 3.0% (2.5% of Total Investments)
- 4,000 Oregon Department of Administrative Services, Certificates of Participation, Federally Taxable Build America Bonds, Tender Option Bond Trust TN-011, 26.975%, 5/01/35 (IF)
- 10,230 Warm Springs Reservation Confederated Tribes, Oregon, Tribal Economic Development Bonds, Hydroelectric Revenue Bonds, Pelton Round Butte Project, Refunding Series 2009A, 8.250%, 11/01/19
- 14,230 Total Oregon
 Pennsylvania 4.1% (3.4% of Total Investments)
- 4,510 Haverford Township School District, Delaware County, Pennsylvania, General Obligation Bonds, Federally Taxable Build America Bonds, Series 2010, 6.004%, 3/01/35 AGC Insured
- 3,000 New Castle Sanitation Authority, Lawrence County, Pennsylvania, Sewer Revenue Bonds, Build America Taxable Bonds, Series 2010A, 6.506%, 6/01/41 (WI/DD, Settling 7/15/10) AGM Insured
- 13,095 Uniontown Area School District, Fayette County, Pennsylvania, General Obligation Bonds, Federally Taxable Build America Bonds, Series 2010, 6.261%, 10/01/39
- 20,605 Total Pennsylvania South Dakota – 0.4% (0.3% of Total Investments)
- 2,000 South Dakota Health and Educational Facilities Authority, Recovery Zone Economic Development Revenue Bonds, Vocational Education Program, Federally Taxable Series 2010, 6.250%, 8/01/39 (WI/DD, Settling 7/02/10)
 - Tennessee 3.2% (2.7% of Total Investments)
- 15,000 Metropolitan Government Nashville & Davidson County Convention Center Authority, Tennesse, Tourism Tax Revenue Bonds, Build America Taxable Bonds, Series 2010A-2, 7.431%, 7/01/43 Texas 7.5% (6.3% of Total Investments)
 - 1,650 Cameron County Regional Mobility Authority, Texas, Vehicle Registration Fee Revenue Bonds, Federally Taxable Build America Series 2010B, 6.552%, 2/15/36
- 10,000 North Texas Tollway Authority, System Revenue Bonds, Subordinate Lien Taxable Revenue Bonds, Federally Taxable Build America Bonds, Series 2010-B2, 8.910%, 2/01/30
- 20,000 North Texas Tollway Authority, System Revenue Bonds, Taxble Build America Bond Series 2009B,

- 6.718%, 1/01/49
- 5,000 San Antonio, Texas, General Obligation Bonds, Build America Taxable Bonds, Series 2010B, 6.038%, 8/01/40 (WI/DD, Settling 7/13/10)
- 36,650 Total Texas
 Utah 2.4% (2.0% of Total Investments)
- 5,000 Central Utah Water Conservancy District, Utah, Revenue Bonds, Federally Taxable Build America Bonds, Series 2010A, 5.700%, 10/01/40
- 6,510 Midvale Redevelopment Agency, Utah, Tax Increment and Sales Tax Revenue Bonds, Federally Taxable Build America Bonds, Series 2010, 6.250%, 5/01/34 AGM Insured
 - 775 North Salt Lake, Utah, Sales Tax Revenue Bonds, Build America Taxable Bond Series 2010, 5.800%, 6/15/30
- 12,285 Total Utah
 - Vermont 1.0% (0.9% of Total Investments)
- 5,000 University of Vermont and State Agricultural College, Revenue Bonds, Build America Bonds Series 2010, 6.428%, 10/01/44 Virgin Islands – 2.7% (2.3% of Total Investments)
- 12,500 Virgin Islands Water and Power Authority, Electric System Revenue Bonds, Build America Taxable Bonds Series 2010C, 6.850%, 7/01/35 AGM Insured Virginia 2.4% (2.0% of Total Investments)
- 1,135 Metropolitan Washington DC Airports Authority, Virginia, Dulles Toll Raod Revenue Bonds, Series 2009D, 7.462%, 10/01/46 AGC Insured
- 10,000 Metropolitan Washington DC Airports Authority, Virginia, Dulles Toll Road Revenue Bonds, Dulles Metrorail Capital Improvement Project, Build America Taxable Bonds, Series 2010D, 8.000%, 10/01/47
- 1,025 Tobacco Settlement Financing Corporation of Virginia, Tobacco Settlement Asset Backed Bonds, Refunding Senior Lien Series 2007A1, 6.706%, 6/01/46
- 12,160 Total Virginia
 - Washington 6.7% (5.6% of Total Investments)
 - Auburn, Washington, Limited Tax General Obligation Bonds, Taxable Build America Bonds, Series 2010B:
- 5,645 6.193%, 12/01/34
- 6,465 6.243%, 12/01/39
- 1,885 Bremerton, Washington, General Obligation Bonds, Build America Taxable Bonds, Series 2010B, 6.129%, 9/01/35
- 5,000 Grays Harbor County Public Utility District 1, Washington, Electric System Revenue Bonds, Taxable Build America Bonds Direct Payment, Series 2010A, 6.707%, 7/01/40
- 10,000 King County Public Hospital District 1, Washington, Hospital Facilities Revenue Bonds, Valley Medical Center, Build America Taxable Bonds, Series 2010B, 8.000%, 6/15/40
- 4,000 Seattle, Washington, Municipal Light and Power Revenue Bonds, Federally Taxable Build America Bonds, Tender Option Bond Trust T0001, 24.149%, 2/01/40 (IF)
- 32,995 Total Washington

Wyoming – 1.0% (0.8% of Total Investments)

5,000 University of Wyoming, Facilities Improvement Revenue Bonds, Build America Taxable Bond Series 2010C, 5.800%, 6/01/30

\$ 590,635 Total Long-Term Investments (cost \$601,806,108) – 117.8%

Principal

Amount (000) Description (1)

Short-Term Investments – 1.7% (1.4% of Total Investments)

\$ 8,820 State Street Bank Euro Dollar Time Deposit, 0.010%, 7/01/10

Total Short-Term Investments (cost \$8,819,998)

Total Investments (cost \$610,626,106) – 119.5%

Borrowings -(17.4)% (4)

Other Assets Less Liabilities – (2.1)%

Net Assets Applicable to Common Shares – 100%

Investments in Derivatives

Forward Swaps outstanding at June 30, 2010:

		Fund			Fixed Rate		
	Notional	Pay/Receive	Floating Rate	Fixed Rate	Payment	Effective	Termination
Counterparty	Amount	Floating Rate	Index	(Annualized)	Frequency	Date (6)	Date (
Morgan Stanley	\$35,000,000	Receive	3-Month USD-LIBOR	4.136%	Semi-Annually	6/29/11	6/29/40
Morgan Stanley	35,000,000	Receive	3-Month USD-LIBOR	4.260	Semi-Annually	6/29/11	6/29/40
Morgan Stanley	40,000,000	Receive	3-Month USD-LIBOR	4.198	Semi-Annually	7/08/11	7/08/40