LATTICE SEMICONDUCTOR CORP Form SC 13G/A March 09, 2015

> UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

> > SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No.2)*

NAME OF ISSUER: Lattice Semiconductor Corporation

TITLE OF CLASS OF SECURITIES: Common Stock

CUSIP NUMBER: 518415104

DATE OF EVENT WHICH REQUIRES FILING OF THIS STATEMENT: February 28, 2015

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

[X] Rule 13d-1(b)
[] Rule 13d-1(c)
[] Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be 'filed' for the purpose of Section 18 of the Securities Exchange Act of 1934 ('Act') or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP NUMBER: 518415104

- (1) Names of Reporting Persons The Bank of New York Mellon Corporation IRS Identification Nos. of Above Persons IRS No.13-2614959
- (2) Check the Appropriate Box if a Member of a Group (See Instructions) (a) () (b) ()
- (3) SEC use only

Citizenship or Place of Organization New York (4) Number of Shares (5) Sole Voting Power 2,767,208 Beneficially Owned by Each (6) Shared Voting Power 0 Reporting Person With (7) Sole Dispositive Power 2,906,108 (8) Shared Dispositive Power 0

(9) Aggregate Amount Beneficially Owned by Each Reporting Person 2,906,108

(10) Check if the Aggregated Amount in Row (9) Excludes Certain

	Shares (see Instructions)	()
(11)	Percent of Class Represented by Amount in Row (9)	2.4	46%
(12)	Type of Reporting Person (See Instructions)		HC

SCHEDULE 13G

Item 1(a)	Name of	E Issuer: Lattice Semiconductor Corporation					
Item 1(b)	Address	s of Issuer's Principal Executive Office:					
		5555 N.E. Moore Court Hillsboro, Oregon 97124-6421 United States					
Item 2(a)	Name of	Person Filing: The Bank of New York Mellon Corporation and any other reporting person(s) identified on the second part of the cover page(s) and Exhibit I					
Item 2(b)	Addres	ss of Principal Business Office, or if None, Residence: C/O The Bank of New York Mellon Corporation One Wall Street, 31st Floor New York, New York 10286 (for all reporting persons)					
Item 2(c)	Citize	enship: See cover page and Exhibit I					
Item 2(d)	Title	of Class of Securities: Common Stock					
CUSIP Numbe	er 5184	115104					
<pre>Item 3 See Item 12 of cover page(s) ("Type of Reporting Person ") for each reporting person.</pre>							
	Symbol Ca	ategory					
	BD =	Broker or Dealer registered under Section 15 of the Securities Exchange Act of 1934					
	BK =	Bank as defined in Section 3(a)(6) of the Securities Exchange Act of 1934					
	IV =	Investment Company registered under Section 8 of the Investment Company Act of 1940					
	IA =	Investment Advisor registered under Section 203 of the Investment Advisors Act of 1940					
	EP =	Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see Section 240.13 - d(1)(b)(1)(ii)(F)					
	HC =	Parent Holding Company, in accordance with Section 240.13-d(1)(b)(1)(ii)(G)					
Item 4 Own	nership:	See Item 5 through 9 and 11 of cover page(s) as to each reporting person.					

The amount beneficially owned includes, where appropriate, securities not outstanding which are subject to options, warrants, rights or conversion privileges that are exercisable within 60 days. The securities reported herein as beneficially owned may exclude securities of the issuer with respect to which voting and/or dispositive power is exercised by subsidiaries of The Bank of New York Mellon Corporation, or departments or units thereof, independently from the exercise of those powers over the securities reported herein. See SEC Release No. 34-39538 (January 12, 1998). The filing of this Schedule 13G shall not be construed as an admission that The Bank of New York Mellon Corporation, or its direct or indirect subsidiaries, including The Bank of New York Mellon and BNY Mellon, National Association, are for the purposes of Section 13(d) or 13(g) of the Act, the beneficial owners of any securities covered by this Schedule 13G.

The following information applies if checked: () The Bank of New York Mellon and/or () The Bank of New York Mellon Trust Company, National Association is/are the trustee of the issuer's employee benefit plan (the Plan), which is subject to ERISA. The securities reported include all shares held of record by such reporting person(s) as trustee of the Plan which have not been allocated to the individual accounts of employee participants in the Plan. The reporting person, however, disclaims beneficial ownership of all shares that have been allocated to the individual accounts of employee participants in the Plan for which directions have been received and followed.

Item 5 Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following (X)

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

All of the securities are beneficially owned by The Bank of New York Mellon Corporation and its direct or indirect subsidiaries in their various fiduciary capacities. As a result, another entity in every instance is entitled to dividends or proceeds of sale. The number of individual accounts holding an interest of 5% or more is ()

- Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported by the Parent Holding Company: See Exhibit I.
- Item 8 Identification and Classification of Members of the Group: N/A

Item 9 Notice of Dissolution of Group:

N/A

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired and are not held in connection with or as a participant in any transaction having such purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct. This filing is signed by The Bank of New York

Mellon Corporation on behalf of all reporting entities pursuant to Rule 13d-1(k)(1) promulgated under the Securities and Exchange Act of 1934, as amended.

Date: March 09, 2015

THE BANK OF NEW YORK MELLON CORPORATION

By: /s/ NICHOLAS R. DARROW

Nicholas R. Darrow Senior Vice President Attorney-In-Fact for The Bank of New York Mellon Corporation

EXHIBIT I

The shares reported on the attached Schedule 13G are beneficially owned by the following direct or indirect subsidiaries of The Bank of New York Mellon Corporation, as marked (X):

- (A) The Item 3 classification of each of the subsidiaries listed below is "Item 3(b) Bank as defined in Section 3(a)(6) of the Act" (15 U.S.C. 78c) or "Item 3(j)A non-U.S. institution in accordance with Rule 240.13d-1 (b)(1)(ii)(J)"
 - (X) The Bank of New York Mellon
 - () The Bank of New York Mellon Trust Company, National Association
 - (X) BNY Mellon, National Association
 - () BNY Mellon Trust of Delaware
- (B) The Item 3 classification of each of the subsidiaries listed below is "Item 3(e) An investment adviser in accordance with Section 240.13d-1
 (b) (1) (ii) (E)" or "Item 3(j) A non-U.S. institution in accordance with Rule 240.13d-1(b) (1) (ii) (J)"
 - BNY Mellon ARX Investimentos Ltda (parent holding company of BNY Mellon Ativos Financeiros Ltda)
 - (X) The Boston Company Asset Management LLC
 - (X) The Dreyfus Corporation (parent holding company of MBSC Securities Corporation)
 - () Insight Investment Management (Global) Limited
 - () Lockwood Advisors, Inc.
 - (X) Mellon Capital Management Corporation
 - () Newton Capital Management Limited
 - () Newton Investment Management Limited
 - () Standish Mellon Asset Management Company LLC
 - () CenterSquare Investment Management, Inc.
 - () CenterSquare Investment Management Holdings, Inc.
 - () Walter Scott & Partners Limited
 - () BNY Mellon Wealth Management, Advisory Services, Inc.
 - () BNY Mellon Trust Company(Cayman) Limited
 - () BNY Mellon Managed Investments Limited.
 - () BNY Mellon Investment Management Cayman Limited
 - () Cutwater Asset Management Corporation
- (C) The Item 3 classification of each of the subsidiaries listed below is "Item 3(a) Broker or dealer registered under Section 15 of the Act" (15 U.S.C. 78c) or "Item 3(j) A non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J)"
 - () BNY Mellon Capital Markets, LLC.
 - () MBSC Securities Corporation

() Pershing LLC

- (D) The Item 3 classification of each of the subsidiaries listed below is "Item 3(g) a parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G)"
 - (X) The Bank of New York Mellon Corporation
 - () B.N.Y. Holdings (Delaware) Corporation (parent holding company of BNY Mellon Trust of Delaware)
 - () Insight Investment Management Limited (parent holding company of Insight Investment Management (Global) Limited)
 - (X) MAM (MA) Holding Trust (parent holding company of Standish Mellon Asset Management Company LLC; The Boston Company Asset Management LLC)
 - (X) MBC Investments Corporation (parent holding company of Mellon Capital Management Corporation; BNY Mellon Investment Management (Jersey) Ltd.)
 - () BNY Mellon Investment Management (Jersey) Ltd. (parent holding company of BNY Mellon Investment Management (Europe) Ltd.)
 - BNY Mellon Investment Management (Europe) Ltd. (parent holding company of BNY Mellon Investment Management Europe Holdings Ltd.; BNY Mellon Investment Management Cayman Limited)
 - BNY Mellon Investment Management Europe Holdings Ltd. (parent holding company of BNY Mellon International Asset Management Group Limited; Mellon JV Limited)
 - BNY Mellon International Asset Management Group Limited (parent holding company of Newton Management Limited; BNY Mellon International Asset Management (Holdings) Limited; Insight Investment Management Limited)
 - () BNY Mellon Asset Management International Holdings Limited (parent holding company of BNY Mellon Asset Management Japan Limited)
 - Mellon Overseas Investment Corporation (parent holding company to BNY Mellon Servicos Financeiros Distribuidora de Titulos e Valores Mobiliarios S.A. and (indirect) BNY Mellon Gestao de Patrimonio Ltda Mellon Canada Holding Company)
 - () Newton Management Limited (parent holding company of Newton Capital Management Limited; Newton Investment Management Limited)
 - Pershing Group LLC (parent holding company of Lockwood Advisors, Inc. and Pershing LLC)
 - () The Bank of New York Mellon SA/NV (parent holding company of BNY Mellon Service Kapitalanlage-Gesellschaft mbH)
 - Mellon JV Limited (parent holding company of BNY Mellon Investment Holdings (Germany) Limited)
 - BNY Mellon Investment Holdings (Germany) Limited (parent holding company of Meriten Investment Management GmbH)
 - BNY Mellon International Asset Management (Holdings) Limited (parent holding company of BNY Mellon International Asset Management (Holdings) No. 1 Limited)
 - () BNY Mellon International Asset Management (Holdings) No. 1 Limited (parent holding company of Walter Scott & Partners Limited)
 - Mellon Canada Holding Company (parent holding company of BNY Mellon Wealth Management, Advisory Services, Inc)
 - () BNY International Financing Corporation (parent holding company of BNY Mellon Trust Company (Cayman) Limited)
 - () BNY Capital Markets Holdings, Inc. (parent holding company of BNY Mellon Capital Markets, LLC.)
 - () Cutwater Holdings LLC (parent holding company of Cutwater Asset Management Corporation)

NOTE: ALL OF THE LEGAL ENTITIES LISTED UNDER (A), (B), (C) AND (D) ABOVE ARE DIRECT OR INDIRECT SUBSIDIARIES OF THE BANK OF NEW YORK MELLON CORPORATION. BENEFICIAL OWNERSHIP OF MORE THAN FIVE PERCENT OF THE CLASS BY ANY ONE OF THE SUBSIDIARIES OR INTERMEDIATE PARENT HOLDING COMPANIES LISTED ABOVE IS REPORTED

ON A JOINT REPORTING PERSON PAGE FOR THAT SUBSIDIARY ON THE ATTACHED SCHEDULE 13G AND IS INCORPORATED IN THE TOTAL PERCENT OF CLASS REPORTED ON THE BANK OF NEW YORK MELLON CORPORATION'S REPORTING PERSON PAGE. (DO NOT ADD THE SHARES OR PERCENT OF CLASS REPORTED ON EACH JOINT REPORTING PERSON PAGE ON THE ATTACHED SCHEDULE 13G TO DETERMINE THE TOTAL PERCENT OF CLASS FOR THE BANK OF NEW YORK MELLON CORPORATION).

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS that each of the undersigned (each a "Company") does hereby make, constitute and appoint each of Kenneth J. Bradle, John E. Thomas, Jr., Nicholas R. Darrow, (and any other employee of The Bank of New York Mellon Corporation, or one of its affiliates, designated in writing by one of the attorneys-in-fact), acting individually, its true and lawful attorney, to execute and deliver in its name and on its behalf, whether the Company is acting individually or as representative of others, any and all filings, be they written or oral, required to be made by the Company with respect to securities which may be deemed to be beneficially owned by the Company or under the Company's investment discretion under:

*the Securities Exchange Act of 1934, as amended (the "Exchange Act"), including those filings required to be submitted on Form 13F, Schedule 13G and Form SH, and

*the laws of any jurisdiction other than the United States of America, including those filings made to disclose securities holdings as required to be submitted to regulatory agencies, exchanges and/or issuers,

giving and granting unto each said attorney-in-fact power and authority to correspond with issuers, regulatory authorities, and other entities as is required in support of the filings referenced above, and to act in the premises as fully and to all intents and purposes as the Company might or could do to comply with the applicable regulations if personally present by one of its authorized signatories (including, but not limited to, instructing local counsel on a Company's behalf), hereby ratifying and confirming all that said attorney-in-fact shall lawfully do or cause to be done by virtue hereof.

THIS POWER OF ATTORNEY shall remain in full force and effect until either revoked in writing by the Company or until such time as the person or persons to whom power of attorney has been hereby granted cease(s) to be an employee of The Bank of New York Mellon Corporation or one of its affiliates.

This Power of Attorney may be executed in any number of counterparts all of which taken together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the undersigned hereby execute this Agreement effective as of the date set forth below.

| Banks/Bank Holding Companies |

THE BANK OF NEW YORK MELLON CORPORATION

BNY MELLON, NATIONAL ASSOCIATION

By: /S/ GERALD L. HASSELL

By: /S/ RONALD P. O'HANLEY

Ronald P. O'Hanley Gerald L. Hassell Vice Chairman President Date: October 12, 2009 Date: October 12, 2009 THE BANK OF NEW YORK MELLON THE BANK OF NEW YORK MELLON By: /S/ GERALD L. HASSELL By: /S/ DONALD R. MONKS _____ _____ Gerald L. Hassell Donald R. Monks Vice Chairman President Date: October 12, 2009 Date: October 12, 2009 THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION By: /S/ KAREN A. BAYZ By: /S/ JOHN A. PARK _____ _____ Karen A. Bayz John A. Park Executive Vice President Managing Director and Chief Financial Officer Date: October 13, 2009 Date: October 9, 2009 BNY MELLON TRUST OF DELAWARE BNY MELLON TRUST OF DELAWARE By: /S/ DAVID B. KUTCH By: /S/ DONALD R. MONKS _____ _____ David B. Kutch Donald R. Monks Chairman and Senior Executive Vice President Chief Executive Officer Date: October 12, 2009 Date: October 12, 2009 _____ Investment Advisers and/or Broker-Dealers _____ PERSHING LLC BNY MELLON CAPITAL MARKETS By: /S/ GARY JOHNSON By: /S/ GARY STRUMERYER _____ _____ Gary Johnson Gary Strumeyer Managing Director President Date: December 10, 2010 Date: January 31, 2014 BNY MELLON ARX INVESTIMENTOS LTDA BNY MELLON ARX INVESTIMENTOS LTDA By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA _____ _____ Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silva Chief Executive Officer Chief Financial Officer Date: January 4, 2010 Date: January 4, 2010 BNY MELLON SERVICOS FINANCEIROS BNY MELLON SERVICOS FINANCEIROS DISTRIBUIDORA DE TITULOS E VALORES DISTRIBUIDORA DE TITULOS E VALORES MOBILIARIOS S.A MOBILIARIOS S.A

By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA ------_____ Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silva Chief Executive Officer Chief Financial Officer Chief Executive Officer Date: January 4, 2010 BNY MELLON ARX ATIVOS FINANCEIROS T.TDA LTDA By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA _____ Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silva Chief Evegutivo Officer Chief Executive Officer Date: January 4, 2010 BNY MELLON GESTAO DE PATRIMONIO LTDA By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA _____ Jose Carlos Lopes Xavier De Oliveira Chief Executive Officer Date: January 4, 2010 THE BOSTON COMPANY ASSET MANAGEMENT T.T.C LLC By: /S/ DAVE CAMERON _____ Dave Cameron Chairman, President and Chief Executive Officer Date: October 12, 2009 BNY MELLON ASSET MANAGEMENT JAPAN LIMITED LIMITED By: /S/ SHOGO YAMAGUCHI _____ Shogo Yamaguchi President and Representative Director Date: December 29,2009 THE DREYFUS CORPORATION By: /S/ JAMES BITETTO _____ James Bitetto Chief Risk Officer Corporate Secretary Date: October 7, 2009 Date: December 04, 2009 LOCKWOOD ADVISORS, INC.

Chief Financial Officer Date: January 4, 2010 BNY MELLON ARX ATIVOS FINANCEIROS _____ Chief Financial Officer Date: January 4, 2010 BNY MELLON GESTAO DE PATRIMONIO LTDA _____ Marcelo Periera da Silva Chief Financial Officer Date: January 4, 2010 THE BOSTON COMPANY ASSET MANAGEMENT By: /S/ JOSEPH P. GENNACO _____ Joseph P. Gennaco Executive Vice President and Chief Operating Officer Date: October 12, 2009 BNY MELLON ASSET MANAGEMENT JAPAN By: /S/ DAVID JIANG ------David Jiang Chairman and Representative Director Date: December 29,2009 INSIGHT INVESTMENT (Global) MANAGEMENT LIMITED By: /s/ CHARLES FARQUHARSON _____ Charles Farquharson

BNY MELLON MANAGED INVESTMENTS

By: /S/ DON MARCHESIELLO _____ Don Marchesiello President Date: October 6, 2009 MELLON CAPITAL MANAGEMENT CORPORATION By: /S/ CHARLES J. JACKLIN ------Charles J. Jacklin President and CEO Date: October 8, 2009 NEWTON INVESTMENT MANAGEMENT LIMITED By: /S/ ANDREW DOWNS _____ Andrew Downs Chief Operating Officer Date: November 6, 2009 STANDISH MELLON ASSET MANAGEMENT COMPANY LLC By: /S/ DESMOND MAC INTYRE _____ Desmond Mac Intyre President and CEO Date: November 19, 2009 CENTERSQUARE INVESTMENT MANAGEMENT HOLDINGS, INC. By: /S/ R. JOSEPH LAW _____ R. Joseph Law Chief Financial and Compliance Officer Date: June 26, 2013 WALTER SCOTT & PARTNERS LIMITED By: /S/ ANNA NICHOLL _____ Anna Nicholl Chief Compliance Officer Date: October 8, 2009 BNY MELLON WEALTH MANAGEMENT, ADVISORY SERVICES, INC. ADVISORY SERVICES, INC. By: /S/ MARIE-CLAUDE LEPAGE ------Marie-Claude Lepage Chief Compliance Officer

LIMITED By: /S/ DON MARCHESIELLO _____ AJ Harper President and CEO Date: February 20, 2014 MBSC SECURITIES CORPORATION By: /S/ KENNETH J. BRADLE _____ Kenneth J. Bradle President Date: October 28, 2009 NEWTON CAPITAL MANAGEMENT LIMITED By: /S/ ANDREW DOWNS _____ Andrew Downs Chief Operating Officer Date: November 6, 2009 PERSHING GROUP LLC By: /S/ BRIAN T. SHEA _____ Brian T. Shea Managing Director Date: October 9, 2009 CENTERSQUARE INVESTMENT MANAGEMENT, INC. By: /S/ R. JOSEPH LAW _____ R. Joseph Law Chief Financial and Compliance Officer Date: June 26, 2013 WALTER SCOTT & PARTNERS LIMITED By: /S/ CAROL-ANN FRASER _____ Carol-Ann Fraser Compliance Officer Date: October 8, 2009 BNY MELLON TRUST COMPANY (CAYMAN) LIMITED By: /S/ DONALD J. HEBERLE _____ Donald J. Heberle Executive Vice President

Date: December 5, 2012 Date: May 16, 2013 BNY MELLON INVESTMENT MANAGEMENT CUTWATER ASSET MANAGEMENT CAYMAN LTD. CORPORATION By: /S/ BRENDON J. DONNELLAN _____ Brendon J.Donnellan Director Date: June 16, 2013 _____ Parent Holding Companies/Control Persons _____ B.N.Y. HOLDINGS (DELAWARE) CORPORATION By: /S/ JOHN A. PARK ------John A. Park Senior Vice President Date: October 9, 2009 BNY MELLON ASSET MANAGEMENT BNY MELLON ASSET MANAGEMENT INTERNATIONAL HOLDINGS LIMITED INTERNATIONAL HOLDINGS LIMITED By: /S/ GREG BRISK By: /S/ SHONA SPENCE ------_____ Greg Brisk Shona Spence Director Director Date: October 12, 2009 Date: October 15, 2009 BNY MELLON INTERNATIONAL ASSET MANAGEMENT GROUP LIMITED By: /S/ JEREMY N. BASSIL _____ Jeremy N. Bassil Director Date: October 13, 2009 MAM (MA) HOLDING TRUST MBC INVESTMENTS CORPORATION By: /S/ RONALD P. O'HANLEY By: /S/ GORDON MOTTER _____ _____ Ronald P. O'Hanley Gordon Motter Chairman, President and CEO President Date: October 9, 2009 Date: October 9, 2009 NEWTON MANAGEMENT LIMITED NEWTON MANAGEMENT LIMITED By: /S/ HELENA MORRISSEY By: /S/ ANDREW DOWNS _____ _____ Helena Morrissey Andrew Downs Director Director Date: October 15, 2009 Date: November 6, 2009

MELLON OVERSEAS INVESTMENT INSIGHT INVESTMENT MANAGEMENT CORPORATION LIMITED By: /S/ JON LITTLE By: /S/ CHARLES FARQUHARSON _____ _____ Jon Little Charles Farquharson Chairman, President And Chief Risk Officer Chief Executive Officer Date: December 04, 2009 Date: December 04, 2009 BNY INTERNATIONAL FINANCING THE BANK OF NEW YORK MELLON SA/NV CORPORATION By: /S/ FRED RICCIARDI By: /S/ JEAN-CHRISTOPHEMATHONET _____ _____ Fred Ricciardi Jean-ChristopheMathonet Managing Director President Date: August 30, 2010 Date: October 4, 2010 BNY MELLON INVESTMENT HOLDINGS MELLON JV LIMITED (GERMANY) LIMITED By: /S/ MARTIN TILLERT _____ Martin Tillert Managing Director Date: January 10, 2013 BNY MELLON INVESTMENT MANAGEMENT BNY MELLON INVESTMENT MANAGEMENT EUROPE HOLDINGS LIMITED (EUROPE) LIMITED By: /S/ GREG BRISK By: /S/ GREG BRISK _____ _____ Greq Brisk Greg Brisk Director Director Date: March 14, 2013 Date: March 14, 2013 BNY MELLON INVESTMENT MANAGEMENT BNY CAPITAL MARKETS HOLDINGS, INC. (JERSEY) LIMITED By: /S/ THOMAS P. GIBBONS By: /S/ GREG BRISK _____ _____ Greg Brisk Thomas P. Gibbons Director Vice Chairman & CFO Date: March 14, 2013 Date: January 31, 2014 BNY MELLON INTERNATIONAL ASSET BNY MELLON INTERNATIONAL ASSET MANAGEMENT (HOLDINGS) LIMITED MANAGEMENT (HOLDINGS) No. 1 LIMITED By: /S/ GREG BRISK By: /S/ GREG BRISK _____ -----Greg Brisk Greg Brisk Director Director Date: April 5, 2013 Date: April 5, 2013

MELLON CANADA HOLDING COMPANY

BNY INTERNATIONAL FINANCING

CORPORATION By: /S/ JOHN REHOB _____ John Rehob President Date: August 06, 2013 CUTWATER HOLDINGS LLC _____ Fund Administrators _____ BNY MELLON SERVICE KAPITALANLAGE-GESELLSCHAFT mbH By: /S/ CAROLINE SPECHT ------Caroline Specht Managing Director, Head of Business Strategy and Legal Date: August 24, 2010 MERITEN INVESTMENT MANAGEMENT GmbH MERITEN INVESTMENT MANAGEMENT GmbH By: /S/ WERNER TAIBER By: /S/ DR. NORBERT BECKER _____ _____ Werner Taiber Dr. Norbert Becker Chief Execution Officer Deputy Chief Execution Officer Date: December 12, 2012 Date: December 12, 2012

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), the undersigned hereby agree to any and all joint filings required to be made on their behalf on Schedule 13G (including amendments thereto) under the Exchange Act, with respect to securities which may be deemed to be beneficially owned by them under the Exchange Act, and that this Agreement be included as an Exhibit to any such joint filing. This Agreement may be executed in any number of counterparts all of which taken together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the undersigned hereby execute this Agreement effective as of the date set forth below.

	Banks/Bank Holding Companies							
	BANK OF NEW YORK MELLON PORATION	BNY	MELLON, NATIONAL ASSOCIATION	-				
By:	/S/ RONALD P. O'HANLEY	By:	/S/ GERALD L. HASSELL					
	Ronald P. O'Hanley Vice Chairman		Gerald L. Hassell President					

Date: October 12, 2009 Date: October 09, 2009 THE BANK OF NEW YORK MELLON THE BANK OF NEW YORK MELLON By: /S/ GERALD L. HASSELL By: /S/ DONALD R. MONKS _____ _____ Gerald L. Hassell Donald R. Monks President Vice Chairman Date: October 12, 2009 Date: October 12, 2009 THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION By: /S/ KAREN A. BAYZ By: /S/ JOHN A. PARK _____ _____ Karen A. Bayz John A. Park Managing Director and Executive Vice President Chief Financial Officer Date: October 13, 2009 Date: October 9, 2009 BNY MELLON TRUST OF DELAWARE BNY MELLON TRUST OF DELAWARE By: /S/ DAVID B. KUTCH By: /S/ DONALD R. MONKS _____ _____ David B. Kutch Donald R. Monks Chairman and Senior Executive Vice President Chief Executive Officer Date: October 12, 2009 Date: October 12, 2009 _____ Investment Advisers and/or Broker-Dealers _____ PERSHING LLC BNY MELLON CAPITAL MARKETS By: /S/ GARY JOHNSON By: /S/ GARY STRUMERYER _____ _____ Gary Johnson Gary Strumeyer Managing Director President Date: December 10, 2010 Date: January 31, 2014 BNY MELLON ARX INVESTIMENTOS LTDA BNY MELLON ARX INVESTIMENTOS LTDA By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA _____ _____ Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silva Chief Executive Officer Chief Financial Officer Date: January 4, 2010 Date: January 4, 2010 BNY MELLON SERVICOS FINANCEIROSBNY MELLON SERVICOS FINANCEIROSDISTRIBUIDORA DE TITULOS E VALORESDISTRIBUIDORA DE TITULOS E VALORES MOBILIARIOS S.A MOBILIARIOS S.A By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA

_____ Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silva Chief Evecutivo Officer Chief Executive Officer Chief Financial Officer Date: January 4, 2010 Date: January 4, 2010 BNY MELLON ARX ATIVOS FINANCEIROS BNY MELLON ARX ATIVOS FINANCEIROS T.TDA LTDA By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA _____ _____ Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silva Chief Executive Officer Chief Financial Officer Chief Executive Officer Date: January 4, 2010 Date: January 4, 2010 BNY MELLON GESTAO DE PATRIMONIO LTDA BNY MELLON GESTAO DE PATRIMONIO LTDA By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA _____ _____ Marcelo Periera da Silva Jose Carlos Lopes Xavier De Oliveira Chief Financial Officer Chief Executive Officer Date: January 4, 2010 Date: January 4, 2010 THE BOSTON COMPANY ASSET MANAGEMENT THE BOSTON COMPANY ASSET MANAGEMENT LLC LLC By: /S/ DAVE CAMERON By: /S/ JOSEPH P. GENNACO _____ _____ Dave Cameron Joseph P. Gennaco Executive Vice President Chairman, President and Chief Executive Officer and Chief Operating Officer Date: October 12, 2009 Date: October 12, 2009 BNY MELLON ASSET MANAGEMENT JAPAN BNY MELLON ASSET MANAGEMENT JAPAN LIMITED LIMITED By: /S/ SHOGO YAMAGUCHI By: /S/ DAVID JIANG _____ _____ Shogo Yamaguchi David Jiang President and Chairman and Representative Director Representative Director Date: December 29,2009 Date: December 29,2009 THE DREYFUS CORPORATION INSIGHT INVESTMENT (Global) MANAGEMENT LIMITED By: /S/ JAMES BITETTO By: /s/ CHARLES FARQUHARSON _____ _____ James Bitetto Charles Farguharson Chief Risk Officer Corporate Secretary Date: December 04, 2009 Date: October 7, 2009 LOCKWOOD ADVISORS, INC. BNY MELLON MANAGED INVESTMENTS LIMITED By: /S/ DON MARCHESIELLO By: /S/ DON MARCHESIELLO

_____ Don Marchesiello President Date: October 6, 2009 MELLON CAPITAL MANAGEMENT CORPORATION By: /S/ CHARLES J. JACKLIN _____ Charles J. Jacklin President and CEO Date: October 8, 2009 NEWTON INVESTMENT MANAGEMENT LIMITED By: /S/ ANDREW DOWNS _____ Andrew Downs Chief Operating Officer Date: November 6, 2009 STANDISH MELLON ASSET MANAGEMENT COMPANY LLC By: /S/ DESMOND MAC INTYRE _____ Desmond Mac Intyre President and CEO Date: November 19, 2009 CENTERSQUARE INVESTMENT MANAGEMENT HOLDINGS, INC. By: /S/ R. JOSEPH LAW _____ R. Joseph Law Chief Financial and Compliance Officer Date: June 26, 2013 WALTER SCOTT & PARTNERS LIMITED By: /S/ ANNA NICHOLL _____ Anna Nicholl Chief Compliance Officer Date: October 8, 2009 BNY MELLON WEALTH MANAGEMENT, ADVISORY SERVICES, INC. By: /S/ MARIE-CLAUDE LEPAGE _____ Marie-Claude Lepage Chief Compliance Officer Date: May 16, 2013

_____ AJ Harper President and CEO Date: February 20, 2014 MBSC SECURITIES CORPORATION By: /S/ KENNETH J. BRADLE _____ Kenneth J. Bradle President Date: October 28, 2009 NEWTON CAPITAL MANAGEMENT LIMITED By: /S/ ANDREW DOWNS _____ Andrew Downs Chief Operating Officer Date: November 6, 2009 PERSHING GROUP LLC By: /S/ BRIAN T. SHEA _____ Brian T. Shea Managing Director Date: October 9, 2009 CENTERSQUARE INVESTMENT MANAGEMENT, INC. By: /S/ R. JOSEPH LAW _____ R. Joseph Law Chief Financial and Compliance Officer Date: June 26, 2013 WALTER SCOTT & PARTNERS LIMITED By: /S/ CAROL-ANN FRASER _____ Carol-Ann Fraser Compliance Officer Date: October 8, 2009 BNY MELLON TRUST COMPANY (CAYMAN) LIMITED By: /S/ DONALD J. HEBERLE _____ Donald J. Heberle Executive Vice President Date: December 5, 2012

BNY MELLON INVESTMENT MANAGEMENT CUTWATER ASSET MANAGEMENT CAYMAN LTD. CORPORATION By: /S/ BRENDON J. DONNELLAN _____ Brendon J.Donnellan Director Date: June 16, 2013 _____ Parent Holding Companies/Control Persons _____ _____ B.N.Y. HOLDINGS (DELAWARE) CORPORATION By: /S/ JOHN A. PARK _____ John A. Park Senior Vice President Date: October 9, 2009 BNY MELLON ASSET MANAGEMENT BNY MELLON ASSET MANAGEMENT INTERNATIONAL HOLDINGS LIMITED INTERNATIONAL HOLDINGS LIMITED By: /S/ GREG BRISK By: /S/ SHONA SPENCE _____ _____ Greg Brisk Shona Spence Director Director Date: October 12, 2009 Date: October 15, 2009 BNY MELLON INTERNATIONAL ASSET MANAGEMENT GROUP LIMITED By: /S/ JEREMY N. BASSIL ------Jeremy N. Bassil Director Date: October 13, 2009 MAM (MA) HOLDING TRUST MBC INVESTMENTS CORPORATION By: /S/ RONALD P. O'HANLEY By: /S/ GORDON MOTTER _____ _____ Ronald P. O'Hanley Gordon Motter President Chairman, President and CEO Date: October 9, 2009 Date: October 9, 2009 NEWTON MANAGEMENT LIMITED NEWTON MANAGEMENT LIMITED By: /S/ HELENA MORRISSEY By: /S/ ANDREW DOWNS _____ _____ Helena Morrissey Andrew Downs Director Director Date: October 15, 2009 Date: November 6, 2009 MELLON OVERSEAS INVESTMENT INSIGHT INVESTMENT MANAGEMENT

CORPORATION LIMITED By: /S/ JON LITTLE By: /S/ CHARLES FARQUHARSON _____ _____ Jon Little Charles Farguharson Chairman, President And Chief Risk Officer Chief Executive Officer Date: December 04, 2009 Date: December 04, 2009 BNY INTERNATIONAL FINANCING THE BANK OF NEW YORK MELLON SA/NV CORPORATION By: /S/ FRED RICCIARDI By: /S/ JEAN-CHRISTOPHEMATHONET _____ -----Fred Ricciardi Jean-ChristopheMathonet President Managing Director Date: August 30, 2010 Date: October 4, 2010 BNY MELLON INVESTMENT HOLDINGS MELLON JV LIMITED (GERMANY) LIMITED By: /S/ MARTIN TILLERT _____ Martin Tillert Managing Director Date: January 10, 2013 BNY MELLON INVESTMENT MANAGEMENT BNY MELLON INVESTMENT MANAGEMENT EUROPE HOLDINGS LIMITED (EUROPE) LIMITED By: /S/ GREG BRISK By: /S/ GREG BRISK _____ _____ Greg Brisk Greg Brisk Director Director Date: March 14, 2013 Date: March 14, 2013 BNY MELLON INVESTMENT MANAGEMENT BNY CAPITAL MARKETS HOLDINGS, INC. (JERSEY) LIMITED By: /S/ GREG BRISK By: /S/ THOMAS P. GIBBONS _____ _____ Greg Brisk Thomas P. Gibbons Director Vice Chairman & CFO Date: March 14, 2013 Date: January 31, 2014 BNY MELLON INTERNATIONAL ASSET BNY MELLON INTERNATIONAL ASSET MANAGEMENT (HOLDINGS) LIMITED MANAGEMENT (HOLDINGS) No. 1 LIMITED By: /S/ GREG BRISK By: /S/ GREG BRISK _____ -----Greg Brisk Greq Brisk Director Director Date: April 5, 2013 Date: April 5, 2013 MELLON CANADA HOLDING COMPANY BNY INTERNATIONAL FINANCING CORPORATION

By: /S/ JOHN REHOB

John Rehob President Date: August 06, 2013

CUTWATER HOLDINGS LLC _____ 1 Fund Administrators _____ BNY MELLON SERVICE KAPITALANLAGE-GESELLSCHAFT mbH By: /S/ CAROLINE SPECHT _____ Caroline Specht Managing Director, Head of Business Strategy and Legal Date: August 24, 2010 MERITEN INVESTMENT MANAGEMENT GmbH MERITEN INVESTMENT MANAGEMENT GmbH By: /S/ WERNER TAIBER By: /S/ DR. NORBERT BECKER _____ _____ Werner Taiber Dr. Norbert Becker Chief Execution Officer Deputy Chief Execution Officer Date: December 12, 2012 Date: December 12, 2012