UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 SCHEDULE 13G Under the Securities Exchange Act of 1934 (Amendment No.1)* NAME OF ISSUER: Thermon Group Holdings, Inc. TITLE OF CLASS OF SECURITIES: Common Stock CUSIP NUMBER: 88362T103 DATE OF EVENT WHICH REQUIRES FILING OF THIS STATEMENT: December 31, 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: 88362T103 (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 (4) Citizenship or Place of Organization New York Number of Shares (5) Sole Voting Power 2,063,419 Beneficially Owned by Each (6) Shared Voting Power 624 Reporting Person With (7) Sole Dispositive Power 2,070,441 (8) Shared Dispositive Power (9) Aggregate Amount Beneficially Owned by Each Reporting Person 2,071,065 (10) Check if the Aggregated Amount in Row (9) Excludes Certain Shares (see Instructions)

SCHEDULE 13G

Item 1(a) Name of Issuer: Thermon Group Holdings, Inc.

(11) Percent of Class Represented by Amount in Row (9)

(12) Type of Reporting Person (See Instructions) HC

6.43%

Item 1(b) Address of Issuer's Principal Executive Office:

100 Thermon Drive San Marcos, Texas 78666 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) Address of Principal Business Office, or if None, Residence:

 C/O The Bank of New York Mellon Corporation

 225 Liberty Street

 New York, New York 10286

 (for all reporting persons)
- Item 2(c) Citizenship: See cover page and Exhibit I
- Item 2(d) Title of Class of Securities: Common Stock

CUSIP Number 88362T103

Item 3 See Item 12 of cover page(s) ("Type of Reporting Person") for each reporting person.

Symbol Category

- 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 Ownership: 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 ()

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: February 2, 2016

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 Investment Management Cayman Limited
- () Cutwater Asset Management Corporation
- () Cutwater Investor Services 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)
 - () 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)
 - () 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; Cutwater Investor Services 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 e	effective
as of the date set forth below.	

Banks/Bank Holding Comp	panies
THE BANK OF NEW YORK MELLON CORPORATION	BNY MELLON, NATIONAL ASSOCIATION
By: /S/ RONALD P. O'HANLEY	By: /S/ GERALD L. HASSELL

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 President Donald R. Monks Vice Chairman

Date: October 12, 2009 Date: October 12, 2009

THE BANK OF NEW YORK MELLON TRUST

THE BANK OF NEW YORK MELLON TRUST

COMPANY, NATIONAL ASSOCIATION COMPANY, NATIONAL ASSOCIATION

By: /S/ KAREN A. BAYZ By: /S/ JOHN A. PARK

Managing Director and Chief Financial Officer ate: October 13, 2000

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 ate: January 4, 2010 Date: January 4, 2010 Date: January 4, 2010

BNY MELLON SERVICOS FINANCEIROS BNY MELLON SERVICOS FINANCEIROS BNY MELLON SERVICOS FINANCEIROS
DISTRIBUIDORA DE TITULOS E VALORES
BNY MELLON SERVICOS FINANCEIROS
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
Date: January 4, 2010 Date: January 4, 2010

BNY MELLON ARX ATIVOS FINANCEIROS BNY MELLON ARX ATIVOS FINANCEIROS 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 GESTAO DE PATRIMONIO LTDA 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 Marcelo Periera da Silva Chief Executive Officer Chief Financial Officer ate: January 4, 2010 Date: January 4, 2010 Date: January 4, 2010 Date: January 4, 2010

THE BOSTON COMPANY ASSET MANAGEMENT

THE BOSTON COMPANY ASSET MANAGEMENT

LLC LLC

By: /S/ JOSEPH P. GENNACO By: /S/ DAVE CAMERON

Joseph P. Gennaco Dave Cameron

Chairman, President and
Chief Executive Officer
ate: October 12, 2009

Executive Vice President
and Chief Operating Office
Date: October 12, 2009 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

-----David Jiang

Shogo Yamaguchi 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 Farquharson Corporate Secretary Chief Risk Officer

Date: October 7, 2009 Date: December 04, 2009

LOCKWOOD ADVISORS, INC.

By: /S/ DON MARCHESIELLO

Don Marchesiello President

Date: October 6, 2009

MELLON CAPITAL MANAGEMENT MBSC SECURITIES CORPORATION

CORPORATION

By: /S/ CHARLES J. JACKLIN By: /S/ KENNETH J. BRADLE

Charles J. Jacklin Kenneth J. Bradle President and CEO President

Date: October 8, 2009 Date: October 28, 2009

NEWTON INVESTMENT MANAGEMENT LIMITED NEWTON CAPITAL MANAGEMENT LIMITED

By: /S/ ANDREW DOWNS By: /S/ ANDREW DOWNS

Andrew Downs Andrew Downs

Chief Operating Officer Chief Operating Officer Date: November 6, 2009 Date: November 6, 2009

STANDISH MELLON ASSET MANAGEMENT PERSHING GROUP LLC

COMPANY LLC

By: /S/ DESMOND MAC INTYRE By: /S/ BRIAN T. SHEA

-----Desmond Mac Intyre Brian T. Shea President and CEO Managing Director

Date: November 19, 2009 Date: October 9, 2009

CENTERSQUARE INVESTMENT MANAGEMENT CENTERSQUARE INVESTMENT MANAGEMENT,

HOLDINGS, INC.

By: /S/ R. JOSEPH LAW By: /S/ R. JOSEPH LAW

R. Joseph Law R. Joseph Law Chief Financial and Chief Financial and Compliance Officer Compliance Officer Date: June 26, 2013 Date: June 26, 2013

WALTER SCOTT & PARTNERS LIMITED WALTER SCOTT & PARTNERS LIMITED

By: /S/ CAROL-ANN FRASER By: /S/ ANNA NICHOLL

Anna Nicholl Carol-Ann Fraser Chief Compliance Officer Compliance Officer Date: October 8, 2009 Date: October 8, 2009

BNY MELLON WEALTH MANAGEMENT, BNY MELLON TRUST COMPANY

ADVISORY SERVICES, INC. (CAYMAN) LIMITED

By: /S/ MARIE-CLAUDE LEPAGE By: /S/ DONALD J. HEBERLE

Marie-Claude Lepage Donald J. He

Donald J. Heberle Executive Vice President Chief Compliance Officer Date: May 16, 2013 Date: December 5, 2012

BNY MELLON INVESTMENT MANAGEMENT **CUTWATER ASSET MANAGEMENT**

CAYMAN LTD. CORPORATION

By: /S/ BRENDON J. DONNELLAN By: /S/ CLIFFORD CORSO

Brendon J.Donnellan Clifford Corso Director Chief Executive Officer Date: June 16, 2013 Date: March 16, 2015

CUTWATER INVESTOR SERVICES CORPORATION

By: /S/ CLIFFORD CORSO

-----Clifford Corso

Chief Executive Officer Date: March 16, 2015

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
INTERNATIONAL HOLDINGS LIMITED
BNY MELLON ASSET MANAGEMENT
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 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
President Managing Director
Date: August 30, 2010 Date: October 4, 2010

BNY MELLON INVESTMENT MANAGEMENT BNY MELLON INVESTMENT MANAGEMENT EUROPE HOLDINGS LIMITED (EUROPE)LIMITED

By: /S/ GREG BRISK By: /S/ 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 MANAGEMENT (HOLDINGS) LIMITED

BNY MELLON INTERNATIONAL ASSET MANAGEMENT (HOLDINGS) No. 1 LIMITED

By: /S/ GREG BRISK

By: /S/ GREG BRISK

Date: April 5, 2013 Date: April 5, 2013

MELLON CANADA HOLDING COMPANY CORPORATION

BNY INTERNATIONAL FINANCING

By: /S/ JOHN REHOB

John Rehob

President

Date: August 06, 2013

CUTWATER HOLDINGS LLC

By: /S/ CLIFFORD CORSO

Clifford Corso Chief Executive Officer Date: March 16, 2015

Fund Administrat	ors

BNY MELLON SERVICE KAPITALANLAGE-GESELLSCHAFT mbH

By: /S/ CAROLINE SPECHT

Caroline Specht

Managing Director, Head of Business Strategy and Legal

Date: August 24, 2010

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

THE BANK OF NEW YORK MELLON

BNY MELLON, NATIONAL ASSOCIATION

CORPORATION

By: /S/ RONALD P. O'HANLEY By: /S/ GERALD L. HASSELL

Ronald P. O'Hanley Gerald L. Hassell Ronald P. O'Hanley

President Vice Chairman

Date: October 09, 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 President Vice Chairman Donald R. Monks

Date: October 12, 2009 Date: October 12, 2009

THE BANK OF NEW YORK MELLON TRUST THE BANK OF NEW YORK MELLON TRUST

COMPANY, NATIONAL ASSOCIATION 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 y: /S/ DAVID B. RO. 2

David B. Kutch Donald R. Monks
Chairman and Senior Executive Vice President By: /S/ DONALD R. MONKS

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

Managing Director Gary Strumeyer 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
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 Date: January 4, 2010 Date: January 4, 2010

BNY MELLON ARX ATIVOS FINANCEIROS BNY MELLON ARX ATIVOS FINANCEIROS

LTDA 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 GESTAO DE PATRIMONIO LTDA 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 Marcelo Periera da Silva

Chief Executive Officer Chief Financial 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
Date: October 12, 2009

Executive Vice President and Chief Operating Countries and Chief Operating Countries and Chief Operating Officer

BNY MELLON ASSET MANAGEMENT JAPAN BNY MELLON ASSET MANAGEMENT JAPAN

LIMITED LIMITED

By: /S/ DAVID JIANG By: /S/ SHOGO YAMAGUCHI

Shogo Yamaguchi President and David Jiang

President and Chairman and Representative Director ate: December 29,2009 Date: December 29,2009 Date: December 29,2009 Date: December 29,2009

THE DREYFUS CORPORATION INSIGHT INVESTMENT (Global)

MANAGEMENT LIMITED

By: /s/ CHARLES FARQUHARSON By: /S/ JAMES BITETTO

James Bitetto Charles Farquharson Corporate Secretary Chief Risk Officer Date: October 7, 2009 Date: December 04, 2009

LOCKWOOD ADVISORS, INC.

By: /S/ DON MARCHESIELLO

-----Don Marchesiello President

Date: October 6, 2009

MELLON CAPITAL MANAGEMENT MBSC SECURITIES CORPORATION

CORPORATION

By: /S/ CHARLES J. JACKLIN By: /S/ KENNETH J. BRADLE

Charles J. Jacklin Kenneth J. Bradle President and CEO President

Date: October 8, 2009 Date: October 28, 2009

NEWTON INVESTMENT MANAGEMENT LIMITED NEWTON CAPITAL MANAGEMENT LIMITED

By: /S/ ANDREW DOWNS By: /S/ ANDREW DOWNS

, _____ -----Andrew Downs

Andrew Downs
Chief Operating Chief Operating Officer Chief Operating Officer Date: November 6, 2009 Date: November 6, 2009

STANDISH MELLON ASSET MANAGEMENT PERSHING GROUP LLC

COMPANY LLC

By: /S/ DESMOND MAC INTYRE By: /S/ BRIAN T. SHEA

Desmond Mac Intyre Brian T. Shea
President and CEO Managing Director
Date: November 19, 2009 Date: October 9, 2 Date: October 9, 2009

CENTERSQUARE INVESTMENT MANAGEMENT CENTERSQUARE INVESTMENT MANAGEMENT,

HOLDINGS, INC. INC.

By: /S/ R. JOSEPH LAW By: /S/ R. JOSEPH LAW

R. Joseph Law _____ R. Joseph Law Chief Financial and Chief Financial and Compliance Officer Compliance Officer Date: June 26, 2013 Date: June 26, 2013

WALTER SCOTT & PARTNERS LIMITED WALTER SCOTT & PARTNERS LIMITED

By: /S/ ANNA NICHOLL By: /S/ CAROL-ANN FRASER

-----Anna Nicholl Carol-Ann Fraser Chief Compliance Officer Compliance Officer Date: October 8, 2009 Date: October 8, 2009

BNY MELLON WEALTH MANAGEMENT, BNY MELLON TRUST COMPANY

ADVISORY SERVICES, INC. (CAYMAN) LIMITED

By: /S/ MARIE-CLAUDE LEPAGE By: /S/ DONALD J. HEBERLE

Donald J. Heberle Marie-Claude Lepage Chief Compliance Officer Executive Vice President Date: May 16, 2013 Date: December 5, 2012

BNY MELLON INVESTMENT MANAGEMENT **CUTWATER ASSET MANAGEMENT**

CAYMAN LTD. CORPORATION

By: /S/ CLIFFORD CORSO By: /S/ BRENDON J. DONNELLAN

Brendon J.Donnellan Clifford Corso Chief Executive Officer Director Date: June 16, 2013 Date: March 16, 2015

CUTWATER INVESTOR SERVICES CORPORATION

By: /S/ CLIFFORD CORSO

Clifford Corso

Chief Executive Officer Date: March 16, 2015

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 INTERNATIONAL HOLDINGS LIMITED BNY MELLON ASSET MANAGEMENT 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

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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 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
President Managing Director
Date: August 30, 2010 Date: October 4, 2010

BNY MELLON INVESTMENT MANAGEMENT BNY MELLON INVESTMENT MANAGEMENT EUROPE HOLDINGS LIMITED (EUROPE)LIMITED

By: /S/ GREG BRISK By: /S/ 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
MANAGEMENT (HOLDINGS) LIMITED
BNY MELLON INTERNATIONAL ASSET
MANAGEMENT (HOLDINGS) No. 1 LIMITED

By: /S/ GREG BRISK By: /S/ GREG BRISK

Greg Brisk
Director
Director

Date: April 5, 2013 Date: April 5, 2013

MELLON CANADA HOLDING COMPANY

LDING COMPANY BNY INTERNATIONAL FINANCING CORPORATION

By: /S/ JOHN REHOB

John Rehob President

Date: August 06, 2013

CUTWATER HOLDINGS LLC

By: /S/ CLIFFORD CORSO

Clifford Corso

Chief Executive Officer Date: March 16, 2015

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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