PDL BIOPHARMA, INC. Form SC 13G/A February 10, 2015

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No.6)*

NAME OF ISSUER: PDL BioPharma, Inc.

TITLE OF CLASS OF SECURITIES: Common Stock

CUSIP NUMBER: 69329Y104

DATE OF EVENT WHICH REQUIRES FILING OF THIS STATEMENT: January 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: 69329Y104

- (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 7,127,490
Beneficially
Owned by Each (6) Shared Voting Power 1,250
Reporting Person
With (7) Sole Dispositive Power 7,291,155

- (8) Shared Dispositive Power 72,535
- (9) Aggregate Amount Beneficially Owned by Each Reporting Person 7,413,409
- (10) Check if the Aggregated Amount in Row (9) Excludes Certain

Shares (see Instructions)			()		
(11) Percent of Class Represented by Amount in Row (9)			4.61%		
(12) Type of Reporting Person	(See	Instructions)	НС		
CUSIP NUMBER: 69329Y104					
(1) Names of Reporting Persons MBC Investments Corporation IRS Identification Nos. of Above Persons IRS No.51-0301132					
(2) Check the Appropriate Box if a Member of a Group (See Instructions) (a) () (b) ()					
(3) SEC use only					
(4) Citizenship or Place o	f Orga	anization	Delaware		
Number of Shares	(5)	Sole Voting Power	6,328,110		
Beneficially Owned by Each	(6)	Shared Voting Power	0		
Reporting Person With	(7)	Sole Dispositive Power	6,662,146		
	(8)	Shared Dispositive Power	0		
(9) Aggregate Amount Beneficially Owned by Each Reporting Person 6,662,14					
(10) Check if the Aggregated Amount in Row (9) Excludes Certain Shares (see Instructions) ()					
(11) Percent of Class Represented by Amount in Row (9) 4.15%					
(12) Type of Reporting Person	(See	Instructions)	НС		
0.000 NAMED					
CUSIP NUMBER: 69329Y104					
		BNY Mellon Investment Managen Limited			
IRS Identification Nos	. of <i>i</i>	Above Persons IRS No			
(2) Check the Appropriate Box if a Member of a Group (See Instructions) (a) () (b) ()					
(3) SEC use only					
(4) Citizenship or Place o	f Orga	anization			
Number of Shares	(5)	Sole Voting Power	4,098,685		
Beneficially Owned by Each Reporting Person With	(6)	Shared Voting Power	0		
	(7)	Sole Dispositive Power	4,388,342		
	(8)	Shared Dispositive Power	0		
(9) Aggregate Amount Benefici by Each Reporting Person	ally (Owned	4,388,342		

(10) Check if the Aggregated Am Shares (see Instructions)	ount in Row (9) Excludes Certain	()		
(11) Percent of Class Represented by Amount in Row (9) 2.73				
(12) Type of Reporting Person (See Instructions) HC				
CUSIP NUMBER: 69329Y104				
(1) Names of Reporting Persons BNY Mellon Investment Management (Europe) Limited				
IRS Identification Nos. of Above Persons IRS No.				
(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			
Number of Shares Beneficially Owned by Each	(5) Sole Voting Power 4	,098,685		
	(6) Shared Voting Power	0		
Reporting Person With	(7) Sole Dispositive Power 4	,388,342		
	(8) Shared Dispositive Power	0		
(9) Aggregate Amount Beneficially Owned by Each Reporting Person 4,388,342				
(10) Check if the Aggregated Amount in Row (9) Excludes Certain Shares (see Instructions) ()				
(11) Percent of Class Represented by Amount in Row (9) 2.73%				
(12) Type of Reporting Person (See Instructions) HC				
CUSIP NUMBER: 69329Y104				
(1) Names of Reporting Pers	ons BNY Mellon Investment Managemen	t Europe		
IRS Identification Nos.	Holdings limited of Above Persons IRS No.			
(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				
Number of Shares	(5) Sole Voting Power 4	,098,685		
Beneficially Owned by Each Reporting Person With	(6) Shared Voting Power	0		
	(7) Sole Dispositive Power 4	,388,342		
	(8) Shared Dispositive Power	0		

(9) Aggregate Amount Beneficially Owned

by Each Reporting Person	by Each Reporting Person		
(10) Check if the Aggregated Am Shares (see Instructions)	nount in Row (9) Excludes Certain	()	
(11) Percent of Class Represented by Amount in Row (9)		2.73%	
(12) Type of Reporting Person (See Instructions)		НС	
CUSIP NUMBER: 69329Y104			
(1) Names of Reporting Persons BNY Mellon International Asset Management			
IRS Identification Nos.	Group Limited of Above Persons IRS N	0.98-0464992	
(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	London	
Number of Shares	(5) Sole Voting Power	4,098,685	
Beneficially Owned by Each	(6) Shared Voting Power	0	
Reporting Person With	(7) Sole Dispositive Power	4,388,342	
	(8) Shared Dispositive Power	0	
(9) Aggregate Amount Beneficia by Each Reporting Person	ally Owned	4,388,342	
(10) Check if the Aggregated Am Shares (see Instructions)	nount in Row (9) Excludes Certain	()	
(11) Percent of Class Represented by Amount in Row (9) 2.73%			
(12) Type of Reporting Person (See Instructions) HC			
CUSIP NUMBER: 69329Y104			
(1) Names of Reporting Persons Newton Management Limited IRS Identification Nos. of Above Persons IRS No.98-0196145			
(2) Check the Appropriate E (a) () (b) ()	Sox if a Member of a Group (See I	nstructions)	
(3) SEC use only			
(4) Citizenship or Place of	Organization	London	
Number of Shares	(5) Sole Voting Power	4,098,685	
Beneficially Owned by Each Reporting Person With	(6) Shared Voting Power	0	
	(7) Sole Dispositive Power	4,388,342	
	(8) Shared Dispositive Power	0	

(9)	Aggregate Amount Beneficially Owned by Each Reporting Person	4,388,342
(10)	Check if the Aggregated Amount in Row (9) Excludes Certain Shares (see Instructions)	()
(11)	Percent of Class Represented by Amount in Row (9)	2.73%
(12)	Type of Reporting Person (See Instructions)	НС
CUSI	P NUMBER: 69329Y104	
(1)	Names of Reporting Persons Newton Investment Managemer IRS Identification Nos. of Above Persons IRS No	ent Limited .98-0196228
(2)	Check the Appropriate Box if a Member of a Group (See Install) (a) (b) (b)	structions)
(3)	SEC use only	
(4)	Citizenship or Place of Organization	London
	er of Shares (5) Sole Voting Power	4,098,685
Owne	ficially d by Each (6) Shared Voting Power	0
With	rting Person (7) Sole Dispositive Power	4,338,975
	(8) Shared Dispositive Power	0
(9)	Aggregate Amount Beneficially Owned by Each Reporting Person	4,338,975
(10)	Check if the Aggregated Amount in Row (9) Excludes Certain Shares (see Instructions)	()
(11)	Percent of Class Represented by Amount in Row (9)	2.70%
(12)	Type of Reporting Person (See Instructions)	IA
	SCHEDULE 13G	
Item	1(a) Name of Issuer: PDL BioPharma, Inc.	
Item	1(b) Address of Issuer's Principal Executive Office:	
	932 Southwood Boulevard Incline Village, Nevada 89451 United States	
Item	2(a) Name of Person Filing: The Bank of New York Mellow and any other reporting peridentified on the second particle (a) and Exhibit 1	rson(s) art of the
Item	2(b) Address of Principal Business Office, or if None, In C/O The Bank of New York Mello One Wall Street, 31st Floor New York, New York 10286	on Corporation

(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 69329Y104

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)

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:

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 10, 2015

THE BANK OF NEW YORK MELLON CORPORATION

By: /s/ NICHOLAS R. DARROW

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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

N/A

- (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)
 - () 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
 - (X) Newton Capital Management Limited
 - (X) 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
 - (X) 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)
 - () 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.)
 - (X) BNY Mellon Investment Management (Jersey) Ltd. (parent holding company of BNY Mellon Investment Management (Europe) Ltd.)
 - (X) BNY Mellon Investment Management (Europe) Ltd. (parent holding company of BNY Mellon Investment Management Europe Holdings Ltd.; BNY Mellon Investment Management Cayman Limited)
 - (X) BNY Mellon Investment Management Europe Holdings Ltd. (parent holding company of BNY Mellon International Asset Management Group Limited; Mellon JV Limited)
 - (X) 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)
- (X) Newton Management Limited (parent holding company of Newton Capital Management Limited; Newton Investment Management Limited)
- (X) 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

By: /S/ RONALD P. O'HANLEY

Ronald P. O'Hanley Vice Chairman

Date: October 12, 2009

THE BANK OF NEW YORK MELLON

By: /S/ GERALD L. HASSELL

Gerald L. Hassell

President

Date: October 12, 2009

THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION

By: /S/ KAREN A. BAYZ

Karen A. Bayz
Managing Director and
Chief Financial Officer
Date: October 13, 2009

BNY MELLON TRUST OF DELAWARE

BNY MELLON, NATIONAL ASSOCIATION

President

Date: October 12, 2009

THE BANK OF NEW YORK MELLON

By: /S/ DONALD R. MONKS
----Donald R. Monks
Vice Chairman

Date: October 12, 2009

THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION

By: /S/ JOHN A. PARK

John A. Park
Executive Vice President

Date: October 9, 2009

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 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 Jose Carlos Lopes Adviet Chief Executive Officer Chief Financial of Date: January 4, 2010 Date: January 4, 2010 BNY MELLON ARX ATIVOS FINANCEIROS BNY MELLON ARX ATIVOS FINANCEIROS T.TDA 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 Jose Carlos Lopes Advict Chief Executive Officer Chief Financial Chief Financi Marcelo Periera da Silva Chief Financial Officer

Date: January 4, 2010

THE BOSTON COMPANY ASSET MANAGEMENT

THE BOSTON COMPANY ASSET MANAGEMENT LLC

By: /S/ DAVE CAMERON

Dave Cameron
Chairman, President and
Chief Executive Officer
Date: October 12, 2009

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

BNY MELLON ASSET MANAGEMENT JAPAN

By: /S/ SHOGO YAMAGUCHI

Shogo Yamaguchi
President and

Representative Director
Date: December 29,2009

THE DREYFUS CORPORATION

By: /S/ JAMES BITETTO

James Bitetto

Corporate Secretary Date: October 7, 2009

LOCKWOOD ADVISORS, INC.

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

Chief Operating Officer
Date: November 6, 2009

BNY MELLON ASSET MANAGEMENT JAPAN

By: /S/ DAVID JIANG
----David Jiang

By: /S/ JOSEPH P. GENNACO

Joseph P. Gennaco

Chairman and
Representative Director
Date: December 29,2009

INSIGHT INVESTMENT (Global)
MANAGEMENT LIMITED

By: /s/ CHARLES FARQUHARSON

Charles Farquharson
Chief Risk Officer
Date: December 04, 2009

BNY MELLON MANAGED INVESTMENTS 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

STANDISH MELLON ASSET MANAGEMENT COMPANY LLC

By: /S/ DESMOND MAC INTYRE -----

Desmond Mac Intyre President and CEO Date: November 19, 2009

CENTERSQUARE INVESTMENT MANAGEMENT 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

BNY MELLON INVESTMENT MANAGEMENT CAYMAN LTD.

By: /S/ BRENDON J. DONNELLAN

Brendon J.Donnellan

Director

Date: June 16, 2013

PERSHING GROUP LLC

By: /S/ BRIAN T. SHEA _____

Brian T. Shea Managing Director Date: October 9, 2009

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

CUTWATER ASSET MANAGEMENT CORPORATION

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

Greg Brisk Director

Date: October 12, 2009

By: /S/ SHONA SPENCE

_____ Shona Spence

Director

Date: October 15, 2009

BNY MELLON INTERNATIONAL ASSET MANAGEMENT GROUP LIMITED

By: /S/ JEREMY N. BASSIL _____

Jeremy N. Bassil

Director

Date: October 13, 2009

MBC INVESTMENTS CORPORATION

MAM (MA) HOLDING TRUST

By: /S/ RONALD P. O'HANLEY _____

Ronald P. O'Hanley

President

Date: October 9, 2009

By: /S/ GORDON MOTTER -----

Gordon Motter

Chairman, President and CEO

Date: October 9, 2009

NEWTON MANAGEMENT LIMITED

By: /S/ HELENA MORRISSEY

Helena Morrissey

Director

Date: October 15, 2009

NEWTON MANAGEMENT LIMITED

By: /S/ ANDREW DOWNS

Andrew Downs

Director

Date: November 6, 2009

MELLON OVERSEAS INVESTMENT

CORPORATION

By: /S/ JON LITTLE

Jon Little

Chairman, President And Chief Executive Officer

Date: December 04, 2009

INSIGHT INVESTMENT MANAGEMENT

LIMITED

By: /S/ CHARLES FARQUHARSON

Charles Farquharson

Chief Risk Officer

Date: December 04, 2009

BNY INTERNATIONAL FINANCING

CORPORATION

By: /S/ FRED RICCIARDI

Fred Ricciardi

President

Date: August 30, 2010

THE BANK OF NEW YORK MELLON SA/NV

By: /S/ JEAN-CHRISTOPHEMATHONET

Jean-ChristopheMathonet

Managing Director Date: October 4, 2010

BNY MELLON INVESTMENT HOLDINGS

(GERMANY) LIMITED

By: /S/ MARTIN TILLERT

MELLON JV LIMITED

Martin Tillert Managing Director

Date: January 10, 2013

BNY MELLON INVESTMENT MANAGEMENT EUROPE HOLDINGS LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: March 14, 2013

BNY MELLON INVESTMENT MANAGEMENT

(JERSEY) LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: March 14, 2013

BNY MELLON INTERNATIONAL ASSET MANAGEMENT (HOLDINGS) LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: April 5, 2013

MELLON CANADA HOLDING COMPANY

By: /S/ JOHN REHOB

John Rehob President

Date: August 06, 2013

BNY MELLON INVESTMENT MANAGEMENT (EUROPE) LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: March 14, 2013

BNY CAPITAL MARKETS HOLDINGS, INC.

By: /S/ THOMAS P. GIBBONS

Thomas P. Gibbons Vice Chairman & CFO Date: January 31, 2014

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

By: /S/ GREG BRISK

Greg Brisk Director

Date: April 5, 2013

BNY INTERNATIONAL FINANCING

CORPORATION

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

Werner Taiber

Chief Execution Officer

Date: December 12, 2012

By: /S/ DR. NORBERT BECKER

Dr. Norbert Becker

Deputy Chief Execution Officer

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.

Park (Park Hald's a Comment of the C

| Banks/Bank Holding Companies |

THE BANK OF NEW YORK MELLON CORPORATION

By: /S/ RONALD P. O'HANLEY

Ronald P. O'Hanley Vice Chairman

Date: October 09, 2009

THE BANK OF NEW YORK MELLON

By: /S/ GERALD L. HASSELL

Gerald L. Hassell
President

Date: October 12, 2009

THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION

By: /S/ KAREN A. BAYZ

Karen A. Bayz Managing Director and Chief Financial Officer

Date: October 13, 2009

BNY MELLON TRUST OF DELAWARE

By: /S/ DAVID B. KUTCH

BNY MELLON, NATIONAL ASSOCIATION

By: /S/ GERALD L. HASSELL

Gerald L. Hassell

President

Date: October 12, 2009

THE BANK OF NEW YORK MELLON

By: /S/ DONALD R. MONKS

Donald R. Monks

Vice Chairman

Date: October 12, 2009

THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION

By: /S/ JOHN A. PARK

John A. Park
Executive Vice President

Date: October 9, 2009

BNY MELLON TRUST OF DELAWARE

By: /S/ DONALD R. MONKS

David B. Kutch

Chairman and

Chief Executive Officer

Date: October 12, 2009

Donald R. Monks Senior Executive Vice President

Date: October 12, 2009

______ Investment Advisers and/or Broker-Dealers

PERSHING LLC

By: /S/ GARY JOHNSON _____

Gary Johnson Managing Director

Date: December 10, 2010

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

Date: January 4, 2010

BNY MELLON SERVICOS FINANCEIROS DISTRIBUIDORA DE TITULOS E VALORES MOBILIARIOS S.A

By: /S/ JOSE CARLOS LOPES XAVIER DE OLIVEIRA

Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silva Chief Executive Officer Chief Financial Officer Jose Carlos Lopes Advier Chief Executive Officer Chief Financial Chief Financi

Date: January 4, 2010

BNY MELLON ARX ATIVOS FINANCEIROS

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

BNY MELLON GESTAO DE PATRIMONIO LTDA

By: /S/ JOSE CARLOS LOPES XAVIER By: /S/ MARCELO PERIERA DA SILVA DE OLIVEIRA

Chief Executive Officer Chief Financial Officer Date: January 4, 2010

Date: January 4, 2010

BNY MELLON CAPITAL MARKETS

By: /S/ GARY STRUMERYER ______

> Gary Strumeyer President

Date: January 31, 2014

BNY MELLON ARX INVESTIMENTOS LTDA

Date: January 4, 2010 Chief Financial Officer

BNY MELLON SERVICOS FINANCEIROS DISTRIBUIDORA DE TITULOS E VALORES

MOBILIARIOS S.A

By: /S/ MARCELO PERIERA DA SILVA

BNY MELLON ARX ATIVOS FINANCEIROS

LTDA

Marcelo Periera da Silva Chief Financial Officer

Date: January 4, 2010

BNY MELLON GESTAO DE PATRIMONIO LTDA

Jose Carlos Lopes Xavier De Oliveira Marcelo Periera da Silve Chief Financial Officer Marcelo Periera da Silva

THE BOSTON COMPANY ASSET MANAGEMENT

LLC

By: /S/ DAVE CAMERON

Dave Cameron Chairman, President and Chief Executive Officer

Date: October 12, 2009

BNY MELLON ASSET MANAGEMENT JAPAN

LIMITED

By: /S/ SHOGO YAMAGUCHI

Shogo Yamaguchi President and

Representative Director Date: December 29,2009

THE DREYFUS CORPORATION

By: /S/ JAMES BITETTO

_____ James Bitetto

Corporate Secretary Date: October 7, 2009

LOCKWOOD ADVISORS, INC.

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 PERSHING GROUP LLC COMPANY LLC

THE BOSTON COMPANY ASSET MANAGEMENT T₁T₁C

By: /S/ JOSEPH P. GENNACO

Joseph P. Gennaco Executive Vice President

and Chief Operating Officer Date: October 12, 2009

BNY MELLON ASSET MANAGEMENT JAPAN

LIMITED

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 Chief Risk Officer

Date: December 04, 2009

BNY MELLON MANAGED INVESTMENTS

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

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 CENTERSOUARE 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 _____ _____ Carol-Ann Fraser Anna Nicholl 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. Heberle 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/ 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 INTERNATIONAL HOLDINGS LIMITED

By: /S/ GREG BRISK

BNY MELLON ASSET MANAGEMENT
INTERNATIONAL HOLDINGS LIMITED

By: /S/ SHONA SPENCE

Greg Brisk Director

Date: October 12, 2009

Shona Spence Director

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

By: /S/ RONALD P. O'HANLEY
----Ronald P. O'Hanley

President

Date: October 9, 2009

NEWTON MANAGEMENT LIMITED

By: /S/ HELENA MORRISSEY

Helena Morrissey

Director

Date: October 15, 2009

MELLON OVERSEAS INVESTMENT CORPORATION

By: /S/ JON LITTLE

Jon Little

Chairman, President And Chief Executive Officer Date: December 04, 2009

BNY INTERNATIONAL FINANCING CORPORATION

By: /S/ FRED RICCIARDI

Fred Ricciardi President

Date: August 30, 2010

BNY MELLON INVESTMENT HOLDINGS
(GERMANY) LIMITED

By: /S/ MARTIN TILLERT

Martin Tillert Managing Director MBC INVESTMENTS CORPORATION

By: /S/ GORDON MOTTER

Gordon Motter

Chairman, President and CEO

Date: October 9, 2009

NEWTON MANAGEMENT LIMITED

By: /S/ ANDREW DOWNS

Andrew Downs Director

Date: November 6, 2009

INSIGHT INVESTMENT MANAGEMENT LIMITED

By: /S/ CHARLES FARQUHARSON
----Charles Farguharson

Chief Risk Officer

Date: December 04, 2009

THE BANK OF NEW YORK MELLON SA/NV

By: /S/ JEAN-CHRISTOPHEMATHONET

Jean-ChristopheMathonet Managing Director Date: October 4, 2010

MELLON JV LIMITED

Date: January 10, 2013

BNY MELLON INVESTMENT MANAGEMENT

EUROPE HOLDINGS LIMITED

By: /S/ GREG BRISK

Grea Brisk Director

Date: March 14, 2013

BNY MELLON INVESTMENT MANAGEMENT

(JERSEY) LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: March 14, 2013

BNY MELLON INTERNATIONAL ASSET MANAGEMENT (HOLDINGS) LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: April 5, 2013

MELLON CANADA HOLDING COMPANY

By: /S/ JOHN REHOB

John Rehob President

Date: August 06, 2013

CUTWATER HOLDINGS LLC

BNY MELLON SERVICE KAPITALANLAGE-

By: /S/ CAROLINE SPECHT

GESELLSCHAFT mbH

Caroline Specht

Managing Director, Head of Business Strategy and Legal

Date: August 24, 2010

MERITEN INVESTMENT MANAGEMENT GmbH

By: /S/ WERNER TAIBER

Werner Taiber

BNY MELLON INVESTMENT MANAGEMENT

(EUROPE) LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: March 14, 2013

BNY CAPITAL MARKETS HOLDINGS, INC.

By: /S/ THOMAS P. GIBBONS

.____

Thomas P. Gibbons Vice Chairman & CFO Date: January 31, 2014

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

By: /S/ GREG BRISK

Greg Brisk Director

Date: April 5, 2013

BNY INTERNATIONAL FINANCING

CORPORATION

Fund Administrators

MERITEN INVESTMENT MANAGEMENT GmbH

By: /S/ DR. NORBERT BECKER _____

Dr. Norbert Becker

21

Chief Execution Officer Deputy Chief Execution Officer

Date: December 12, 2012 Date: December 12, 2012