AMAG PHARMACEUTICALS INC. Form SC 13G/A February 13, 2008

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

SCHEDULE 13G (Rule 13d-102)

Information Statement Pursuant to Rules 13d-1 and 13d-2 Under the Securities Exchange Act of 1934 (Amendment No. 1)*

Amag Pharmaceuticals, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

00753P103

(CUSIP Number)

December 31, 2007

Date of Event Which Requires Filing of the Statement

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

o Rule 13d-1(b)
x Rule 13d-1(c)
o 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 disclosures provided in a prior cover page.

The information required on 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).

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1.	NAME OF REPORTING	PERSON	
1.	S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON		
	Citadel Investment Gro	up, L.L.C.	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o		
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLAC Delaware limited liabilit		TION
	5. SOLE VOTING POWER NUMBER OF 0		
I	SHARES BENEFICIALLY OWNED BY	6.	SHARED VOTING POWER
	EACH REPORTING		354,713 shares
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0
		8.	SHARED DISPOSITIVE POWER See Row 6 above.
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON See Row 6 above.		
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES o		
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	Approximately 2.1% ⁽¹⁾ as of December 31, 2007.		
12.	TYPE OF REPORTING PERSON OO; HC 16 800 115 outstanding shares of the Common Stock of Issuer, as reported in the Issuer's Quarterly.		

⁽¹⁾Based on 16,899,115 outstanding shares of the Common Stock of Issuer, as reported in the Issuer's Quarterly Report on Form 10-Q for the period ended September 30, 2007, as filed with the Securities and Exchange Commission on November 7, 2007.

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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON		
	Citadel Investment Group II, L.L.C.		
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o		
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLAC Delaware limited liabilit		ΓΙΟΝ
	NUMBER OF	5.	SOLE VOTING POWER 0
]	SHARES BENEFICIALLY OWNED BY	6.	SHARED VOTING POWER
	EACH REPORTING		354,713 shares
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0
		8.	SHARED DISPOSITIVE POWER See Row 6 above.
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON See Row 6 above.		
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 0		
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	Approximately $2.1\%^{(2)}$ as of December 31, 2007.		
12.	TYPE OF REPORTING PERSON OO; HC		
(2)	·	G 6 .	ota 1 abova

(2) See footnote 1 above.

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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON		
	Citadel Limited Partnership		
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o		
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLAC Delaware limited partne		ΓΙΟΝ
	NUMBER OF	5.	SOLE VOTING POWER 0
]	SHARES BENEFICIALLY OWNED BY	6.	SHARED VOTING POWER
	EACH REPORTING		354,713 shares
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0
		8.	SHARED DISPOSITIVE POWER See Row 6 above.
9.	AGGREGATE AMOUN' See Row 6 above.	Γ BENEFICIALLY	OWNED BY EACH REPORTING PERSON
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 0		
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	Approximately $2.1\%^{(3)}$ as of December 31, 2007.		
12.	TYPE OF REPORTING PERSON PN; HC		
(3)	•	G 6 .	ota 1 ahaya

(3) See footnote 1 above.

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1.	NAME OF DEPORTING	C DED CON	
1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON		
	Kenneth Griffin		
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o		
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLACU.S. Citizen	CE OF ORGANIZAT	ΓΙΟΝ
	NUMBER OF	5.	SOLE VOTING POWER 0
	SHARES BENEFICIALLY OWNED BY	6.	SHARED VOTING POWER
	EACH REPORTING		354,713 shares
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0
		8.	SHARED DISPOSITIVE POWER See Row 6 above.
9.	AGGREGATE AMOUN See Row 6 above.	T BENEFICIALLY	OWNED BY EACH REPORTING PERSON
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES o		
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	Approximately $2.1\%^{(4)}$ as of December 31, 2007.		
12.	TYPE OF REPORTING PERSON IN; HC		
(4)			ota 1 abova

(4) See footnote 1 above.

CUSIP NO.	120	Daga 6 of 17 Dagas
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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON		
	Citadel Holdings I LP		
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o		
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLAC Delaware limited partne		TION
	NUMBER OF	5.	SOLE VOTING POWER 0
:	SHARES BENEFICIALLY OWNED BY	6.	SHARED VOTING POWER
	EACH REPORTING		354,713 shares
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0
		8.	SHARED DISPOSITIVE POWER See Row 6 above.
9.	AGGREGATE AMOUN See Row 6 above.	T BENEFICIALLY	OWNED BY EACH REPORTING PERSON
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 0		
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	Approximately 2.1% ⁽⁵⁾ as of December 31, 2007.		
12.	TYPE OF REPORTING PERSON PN; HC		
5)		a .	oto 1 abovo

(5) See footnote 1 above.

CUSIP NO.	120	Daga 7 of 17 Dagas
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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON		
	Citadel Holdings II LP		
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o		
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLAC Delaware limited partne		ΓΙΟΝ
	NUMBER OF	5.	SOLE VOTING POWER 0
]	SHARES BENEFICIALLY OWNED BY	6.	SHARED VOTING POWER
	EACH REPORTING		354,713 shares
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0
		8.	SHARED DISPOSITIVE POWER See Row 6 above.
9.	AGGREGATE AMOUN See Row 6 above.	T BENEFICIALLY	OWNED BY EACH REPORTING PERSON
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 0		
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	Approximately $2.1\%^{(6)}$ as of December 31, 2007.		
12.	TYPE OF REPORTING PERSON PN; HC		
6)		~ 2	oto 1 abovo

(6) See footnote 1 above.

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	Ī		
1.	NAME OF REPORTING S.S. OR I.R.S. IDENTIFI		ABOVE PERSON
	Citadel Advisors LLC		
2.	CHECK THE APPROPR (a) x (b) o	IATE BOX IF A MI	EMBER OF A GROUP
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLAC Delaware limited liabilit		ΓΙΟΝ
	NUMBER OF	5.	SOLE VOTING POWER 0
]	SHARES BENEFICIALLY OWNED BY	6.	SHARED VOTING POWER
	EACH REPORTING		354,713 shares
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0
		8.	SHARED DISPOSITIVE POWER See Row 6 above.
9.	AGGREGATE AMOUN' See Row 6 above.	Γ BENEFICIALLY	OWNED BY EACH REPORTING PERSON
10.	CHECK BOX IF THE ACCERTAIN SHARES	GGREGATE AMOU	UNT IN ROW (9) EXCLUDES
11.	PERCENT OF CLASS R	EPRESENTED BY	AMOUNT IN ROW (9)
	Approximately 2.1% ⁽⁷⁾ a	as of December 31,	2007.
12.	TYPE OF REPORTING DOO; HC	PERSON	
(7)	•	G 6 .	ota 1 abova

(7) See footnote 1 above.

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1.	NAME OF REPORTING S.S. OR I.R.S. IDENTIFI		BOVE PERSON
	Citadel Equity Fund Ltd	d.	
2.	CHECK THE APPROPR (a) x (b) o	IATE BOX IF A MI	EMBER OF A GROUP
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLAC Cayman Islands compar		ΓΙΟΝ
	NUMBER OF	5.	SOLE VOTING POWER
]	SHARES BENEFICIALLY OWNED BY	6.	SHARED VOTING POWER
	EACH REPORTING		354,713 shares
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0
		8.	SHARED DISPOSITIVE POWER See Row 6 above.
9.	AGGREGATE AMOUN See Row 6 above.	T BENEFICIALLY	OWNED BY EACH REPORTING PERSON
10.	CHECK BOX IF THE A	GGREGATE AMOU	UNT IN ROW (9) EXCLUDES
11.	PERCENT OF CLASS R	EPRESENTED BY	AMOUNT IN ROW (9)
	Approximately 2.1% ⁽⁸⁾	as of December 31,	2007.
12.	TYPE OF REPORTING CO	PERSON	
(8)		G 6 .	ota 1 abova

(8) See footnote 1 above.

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	T		
1.	NAME OF REPORTING S.S. OR I.R.S. IDENTIFI		BOVE PERSON
	Citadel Derivatives Gro	up LLC	
2.	CHECK THE APPROPR (a) x (b) o	IATE BOX IF A MI	EMBER OF A GROUP
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLAC Delaware limited liabilit		ΓΙΟΝ
	NUMBER OF	5.	SOLE VOTING POWER 0
]	SHARES BENEFICIALLY OWNED BY	6.	SHARED VOTING POWER
	EACH REPORTING		354,713 shares
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0
		8.	SHARED DISPOSITIVE POWER See Row 6 above.
9.	AGGREGATE AMOUN' See Row 6 above.	Γ BENEFICIALLY	OWNED BY EACH REPORTING PERSON
10.	CHECK BOX IF THE ACCERTAIN SHARES	GGREGATE AMOU	UNT IN ROW (9) EXCLUDES
11.	PERCENT OF CLASS R	EPRESENTED BY	AMOUNT IN ROW (9)
	Approximately 2.1% ⁽⁹⁾ a	as of December 31,	2007.
12.	TYPE OF REPORTING DOO; BD	PERSON	
(0)		G 6 .	ota 1 abova

(9) See footnote 1 above.

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_			
1.	NAME OF REPORTING S.S. OR I.R.S. IDENTIFI	CATION NO. OF A	BOVE PERSON
	Citadel Derivatives Tra	ding Ltd.	
2.	CHECK THE APPROPR (a) x (b) o	IATE BOX IF A MI	EMBER OF A GROUP
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLAC Cayman Islands compar		ΓΙΟΝ
	NUMBER OF	5.	SOLE VOTING POWER 0
]	SHARES BENEFICIALLY OWNED BY EACH	6.	SHARED VOTING POWER
			354,713 shares
	REPORTING PERSON WITH	7.	SOLE DISPOSITIVE POWER 0
		8.	SHARED DISPOSITIVE POWER See Row 6 above.
9.	AGGREGATE AMOUN See Row 6 above.	T BENEFICIALLY	OWNED BY EACH REPORTING PERSON
10.		GGREGATE AMOU	JNT IN ROW (9) EXCLUDES
11.	PERCENT OF CLASS R		
	Approximately 2.1% ⁽¹⁰⁾	as of December 31,	, 2007.
12.	TYPE OF REPORTING	PERSON	
(10)	-	C C 4	note 1 above

(10) See footnote 1 above.

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Item 1(a) Name of Issuer: **AMAG PHARMACEUTICALS, INC.**

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

125 Cambridge Park Drive, 6th Floor Cambridge, Massachusetts 02140

Item 2(a) Name of Person Filing⁽¹¹⁾

Item 2(b) Address of Principal Business Office

Item 2(c) Citizenship

Citadel Investment Group, L.L.C.

131 S. Dearborn Street

32nd Floor

Chicago, Illinois 60603

Delaware limited liability company

Citadel Investment Group II, L.L.C.

131 S. Dearborn Street

32nd Floor

Chicago, Illinois 60603

Delaware limited liability company

Citadel Limited Partnership

131 S. Dearborn Street

32nd Floor

Chicago, Illinois 60603

Delaware limited partnership

Kenneth Griffin

131 S. Dearborn Street

32nd Floor

Chicago, Illinois 60603

U.S. Citizen

Citadel Holdings I LP

c/o Citadel Investment Group II, L.L.C.

131 S. Dearborn Street

32nd Floor

Chicago, Illinois 60603

Delaware limited partnership

⁽¹¹⁾ Citadel Holdings Ltd., a Cayman Islands company ("CH"), is majority owned by Citadel Kensington Global Strategies Fund Ltd., a Bermuda company ("CKGSF"). Citadel Equity Fund Ltd. ("CEF") is a subsidiary of CH. CKGSF

and CH do not have control over the voting or disposition of securities held by CEF. Until December 31, 2007, Citadel Wellington LLC, a Delaware limited liability company ("CW"), was the majority owner of Citadel Derivatives Group LLC ("CDG"). Effective January 1, 2008, Citadel Derivatives Group Investors LLC, a Delaware limited liability company ("CDGI"), became the majority owner of CDG. CW did not, and CDGI does not, have control over the voting or disposition of securities held by CDG. Until December 31, 2007, Citadel Derivatives Trading Ltd. ("CDT") was a wholly-owned subsidiary of CEF. Effective January 1, 2008, CLP Holdings LLC, a Delaware limited liability company ("CLP Holdings"), became the majority owner of CDT. CKGSF, CH and CEF did not, and CLP Holdings does not, have control over the voting or disposition of shares held by CDT. Citadel Investment Group II, L.L.C., Citadel Holdings I LP, Citadel Holdings II LP and Citadel Advisors LLC are included in this filing as Reporting Persons even though such entities did not have control over the voting or disposition of securities held by CDG or CDT, as applicable, until January 1, 2008.

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		Citadel Holdings	II LP
			ment Group II, L.L.C.
		131 S. Dearborn S	Street
		32nd Floor	50/02
		Chicago, Illinois 6 Delaware limited	
		Delaware minited	partnership
		Citadel Advisors l	
			ment Group II, L.L.C.
		131 S. Dearborn S 32nd Floor	Street
		Chicago, Illinois 6	50603
		Delaware limited	
		Citadel Equity Fu	
			ment Group, L.L.C.
		131 S. Dearborn S 32nd Floor	street
		Chicago, Illinois 6	50603
		Cayman Islands c	
		Citadel Derivative	-
			ment Group II, L.L.C.
		131 S. Dearborn S 32nd Floor	street
		Chicago, Illinois 6	50603
		Delaware limited	
		C' LID ' '	m l' La
		Citadel Investi	es Trading Ltd. ment Group II, L.L.C.
		131 S. Dearborn S	-
		32nd Floor	·······
		Chicago, Illinois 6	50603
		Cayman Islands c	ompany
	2(d)		Title of Class of Securities:
Common Stock, par v	alue \$0.01.		
71	2(e)		CUSIP Number: 00753P103
Itam 3 If this statement		suant to Pulse 12d	-1(b), or 13d-2(b) or (c), check whether the person filing
	-		
(a)	[]	Broker or deal	ler registered under Section 15 of the Exchange Act;
(b)	[]	Bank a	as defined in Section 3(a)(6) of the Exchange Act;

(c) [_] Insurance company as defined in Section 3(a)(19) of the Exchange Act;

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				<u></u>
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(d)	[]	Investment company regis	stered under Section 8 of the Inve	estment Company Act;
	(e)	[_] An investment	adviser in accordance with Rule	13d-1(b)(1)(ii)(E);
(f)	[_] A	n employee benefit plan or end	owment fund in accordance with	Rule 13d-1(b)(1)(ii)(F);
(g)	[<u> </u>]	A parent holding company or co	ontrol person in accordance with	Rule 13d-1(b)(1)(ii)(G);
(h)	[]	A savings association as define	ed in Section 3(b) of the Federal	Deposit Insurance Act;
	church plan westment Con		nition of an investment compan	under Section 3(c)(14) of the
	(j)	[_] G1	roup, in accordance with Rule 13	d-1(b)(1)(ii)(J).
If this state	ement is filed	pursuant to Rule 13d-1(c), che	eck this box. x	
Item 4			Ownership:	
CITADEI KENNET CITADEI CITADEI CITADEI CITADEI CITADEI	L LIMITED H GRIFFIN L HOLDING L HOLDING L ADVISOR L EQUITY H L DERIVAT	GS I LP GS II LP S LLC		
(a) Amoun	nt beneficially	owned:		
354,713 sh	nares			
(b) Percent	t of Class:			
Approxima	ately 2.1% ⁽¹²⁾	as of December 31, 2007.		
(c) Numbe	er of shares as	s to which such person has:		
(i) sole pov	wer to vote of	r to direct the vote:		
				0
(12)		See	footnote 1 above.	

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(ii) shared power to	vote or to direct the vote:	
See Item 4(a) above		
(iii) sole power to di	spose or to direct the disposition of:	
(iv) shared power to	dispose or to direct the disposition of:	
See Item 4(a) above		
Item 5	Ownership of Five	Percent or Less of a Class:
	being filed to report the fact that as o more than five percent of the class of s	
Item 6	Ownership of More than Five I	Percent on Behalf of Another
Not Applicable.		
Item Identification 7 Parent Holdin	and Classification of the Subsidiary w g Company:	hich Acquired the Security B
See Item 2 above.		
Item 8	Identification and Classific	cation of Members of the Gro
Not Applicable.		
Item 9	Notice of Di	ssolution of Group:
Not Applicable.		

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

Certification:

Item 10

* John C. Nagel is signing on behalf of Kenneth Griffin as attorney-in-fact pursuant to a power of attorney previously filed with the Securities and Exchange Commission on February 24, 2006, and hereby incorporated by reference herein. The power of attorney was filed as an attachment to a filing by Citadel Limited Partnership on Schedule 13G for Morgans Hotel Group Co.

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After reasonable inquiry and to the best of its knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Dated this 13th day of February, 2008.

KENNETH	GRIFFIN
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By: /s/ John C. Nagel

John C. Nagel, attorney-in-fact*

CITADEL LIMITED PARTNERSHIP

By: Citadel Investment Group, L.L.C.,

its General Partner

By: /s/ John C. Nagel

John C. Nagel, Authorized Signatory

CITADEL DERIVATIVES GROUP LLC

By: Citadel Holdings I LP,

its Manager

By: Citadel Investment Group II, L.L.C.,

its General Partner

By: /s/ John C. Nagel

John C. Nagel, Authorized Signatory

CITADEL INVESTMENT GROUP II, L.L.C.

By: /s/ John C. Nagel

John C. Nagel, Authorized Signatory

CITADEL HOLDINGS I LP

By: Citadel Investment Group II, L.L.C.,

its General Partner

By: /s/ John C. Nagel

John C. Nagel, Authorized Signatory

CITADEL EQUITY FUND LTD.

By: Citadel Limited Partnership,

its Portfolio Manager

By: Citadel Investment Group, L.L.C.,

its General Partner

By: /s/ John C. Nagel

John C. Nagel, Authorized Signatory

CITADEL INVESTMENT GROUP, L.L.C.

By: /s/ John C. Nagel

John C. Nagel, Authorized Signatory

CITADEL DERIVATIVES TRADING LTD.

By: Citadel Advisors LLC,

its Portfolio Manager

By: Citadel Holdings II LP,

its Sole Managing Member

By: Citadel Investment Group II, L.L.C.,

its General Partner

By: /s/ John C. Nagel

John C. Nagel, Authorized Signatory

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CITADEL HOLDINGS II LP	CITADEL ADVISORS LLC
By: Citadel Investment Group II, L.L.C., its General Partner	By: Citadel Holdings II LP, its Sole Managing Member
By: /s/ John C. Nagel John C. Nagel, Authorized Signatory	By: Citadel Investment Group II, L.L.C., its General Partner
	By: /s/ John C. Nagel John C. Nagel, Authorized Signatory

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