Pereira Brian JG Form 4 November 12, 2009

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

C/O AMAG

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Pereira Brian JG Issuer Symbol AMAG PHARMACEUTICALS INC. [AMAG] (Last) (First) (Middle) 3. Date of Earliest Transaction

(Check all applicable)

President and CEO

(Month/Day/Year)

_X__ Director 10% Owner X_ Officer (give title Other (specify below)

11/09/2009

PHARMACEUTICALS, INC., 100 HAYDEN AVENUE

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

LEXINGTON, MA 02421

(City)	(State)	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securit ord Dispos (Instr. 3, 4)	eed of 4 and 3	` ′	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	11/09/2009		M	55,300	A	\$ 9.1	88,267	D		
Common Stock	11/09/2009		S	55,300	D	\$ 44.254 (1)	32,967	D		
Common Stock	11/09/2009		M	50,744	A	\$ 9.1	83,711	D		
Common Stock	11/09/2009		S	50,744	D	\$ 43.476	32,967	D		

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					(2)			
Common Stock	11/09/2009	S	32,967	D	\$ 44.823 (3)	0	I (4)	By self as Trustee
Common Stock	11/09/2009	M	8,000	A	\$ 8.98	8,000	D	
Common Stock	11/09/2009	S	8,000	D	\$ 43.347 (5)	0	D	
Common Stock	11/10/2009	M	15,000	A	\$ 13.45	15,000	D	
Common Stock	11/10/2009	S	15,000	D	\$ 43.39 (6)	0	D	
Common Stock	11/10/2009	M	8,000	A	\$ 13.55	8,000	D	
Common Stock	11/10/2009	S	8,000	D	\$ 43.149 (7)	0	D	
Common Stock	11/10/2009	M	60,000	A	\$ 10.8	60,000	D	
Common Stock	11/10/2009	S	60,000	D	\$ 43.195 (8)	0	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number of or Derivative Securities Acquired (A or Disposed (D) (Instr. 3, 4, and 5)	Expiration I (Month/Day)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Employee Stock	\$ 9.1	11/09/2009		M	55,30	0 (9)	11/16/2015	Common	55,300	

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(9-02)

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Options (Right to Buy)								
Employee Stock Options (Right to Buy)	\$ 9.1	11/09/2009	M	50,744	<u>(9)</u>	11/16/2015	Common	50,744
Employee Stock Options (Right to Buy)	\$ 8.98	11/09/2009	M	8,000	<u>(9)</u>	11/01/2015	Common	8,000
Employee Stock Options (Right to Buy)	\$ 13.45	11/10/2009	M	15,000	<u>(9)</u>	07/26/2014	Common	15,000
Employee Stock Options (Right to Buy)	\$ 13.55	11/10/2009	M	8,000	<u>(9)</u>	11/02/2014	Common	8,000
Employee Stock Option (Right to Buy)	\$ 10.8	11/10/2009	M	60,000	<u>(9)</u>	07/12/2015	Common	60,000

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Pereira Brian JG C/O AMAG PHARMACEUTICALS, INC. 100 HAYDEN AVENUE LEXINGTON, MA 02421	X		President and CEO			

Signatures

Joseph L. Farmer, attorney-in-fact

**Signature of Reporting Person Date

Reporting Owners 3

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- The shares sold on this date were sold in multiple transactions. The price is the weighted average sales price per share of all shares sold in this transaction. The actual sales prices range from \$44.625-\$43.640. Upon request by the Securities and Exchange Commission, the issuer, or any security holder of the issuer, the reporting person will provide full information regarding the number of shares sold at each price.
- The shares sold on this date were sold in multiple transactions. The price is the weighted average sales price per share of all shares sold in (2) this transaction. The actual sales prices range from \$43.62-\$43.10. Upon request by the Securities and Exchange Commission, the issuer, or any security holder of the issuer, the reporting person will provide full information regarding the number of shares sold at each price.
- The shares sold on this date were sold in multiple transactions. The price is the weighted average sales price per share of all shares sold in (3) this transaction. The actual sales prices range from \$44.60-\$45.09. Upon request of the Securities and Exchange Commission, the issuer, or any security holder of the issuer, the reporting person will provide full information regarding the number of shares sold at each price.
- (4) 12,211 of these shares were held in The Brian J.G. Pereira 2004 Trust, and 20,756 of the shares were held in the Brian Pereira Grantor Retained Annuity Trust. Dr. Pereira is the Trustee of both trusts.
- The shares sold on this date were sold in multiple transactions. The price is the weighted average sales price per share of all shares sold in (5) this transaction. The actual sales prices range from \$43.57-\$43.14. Upon request by the Securities and Exchange Commission, the issuer, or any security holder of the issuer, the reporting person will provide full information regarding the number of shares sold at each price.
- The shares sold on this date were sold in multiple transactions. The price is the weighted average sales price per share of all shares sold in (6) this transaction. The actual sales prices range from \$43.51-\$43.17. Upon request by the Securities and Exchange Commission, the issuer, or any security holder of the issuer, the reporting person will provide full information regarding the number of shares sold at each price.
- The shares sold on this date were sold in multiple transactions. The price is the weighted average sales price per share of all shares sold in (7) this transaction. The actual sales prices range from \$43.24-\$43.00. Upon request by the Securities and Exchange Commission, the issuer, or any security holder of the issuer, the reporting person will provide full information regarding the number of shares sold at each price.
- The shares sold on this date were sold in multiple transactions. The price is the weighted average sales price per share of all shares sold in (8) this transaction. The actual sales prices range from \$43.95-\$43.00. Upon request by the Securities and Exchange Commission, the issuer, or any security holder of the issuer, the reporting person will provide full information regarding the number of shares sold at each price.
- (9) Not applicable

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.