

| OMB APPROVAL                                 |           |
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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

|   |   |   |
|---|---|---|
| 1. Name and Address of Reporting Person*<br><u>Myles Edward H</u><br>_____<br>(Last) (First) (Middle)<br><u>C/O AMAG PHARMACEUTICALS, INC.,</u><br><u>1100 WINTER STREET</u><br>_____<br>(Street)<br><u>WALTHAM MA 02451</u><br>_____<br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>AMAG PHARMACEUTICALS, INC. [</u><br><u>AMAG ]</u> | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br>Director _____ 10% Owner _____<br>Officer (give title below) _____ Other (specify below) _____<br><br>COO & CFO |
|   | 3. Date of Earliest Transaction (Month/Day/Year)<br><u>03/10/2020</u>                               |   |
| 4. If Amendment, Date of Original Filed (Month/Day/Year)  |   |   |

**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. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |       | 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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|-------|---|--|---|
|                                 |                                      |  | Code                           | V | Amount  | (A) or (D) | Price |   |  |   |
| Common Stock                    | 03/10/2020                           |  | A                              |   | 30,000 <sup>(1)(2)</sup>  | A          | (3)   | 98,659  | D  |   |

**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. Transaction Code (Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |     | 6. Date Exercisable and Expiration Date (Month/Day/Year) |                 | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |       |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|--|--|---|--|-------|
|  |  |                                      |  | Code                           | V | (A)  | (D) | Date Exercisable   | Expiration Date |   |  |  |   |  | Title |
| Stock Option (Right to Buy)                | \$7.27   | 03/10/2020                           |  | A                              |   | 45,000   |     | (4)  | 03/10/2030      | Common Stock  | 45,000                                     | (3)  | 45,000  | D  |       |

**Explanation of Responses:**

- Each restricted stock unit ("RSU") represents a contingent right to receive one share of Common Stock of AMAG Pharmaceuticals, Inc. (the "Issuer").
- These shares of Common Stock are issuable pursuant to a grant of RSUs pursuant to the Issuer's 2019 Equity Incentive Plan (the "Plan") that will vest in three equal annual installments with the first installment vesting on March 10, 2021.
- Not applicable.
- Grant of stock option pursuant to the Plan. This option will vest and become exercisable over four years after the grant date as follows: (i) 25% on the first anniversary of the grant date and (ii) the balance vesting in equal quarterly installments over the next three years thereafter.

/s/ Joseph Vittiglio, attorney-in-  
fact 03/12/2020

\*\* Signature of Reporting Person Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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