

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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

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| 1. Name and Address of Reporting Person* <u>Michigan Biologic Products, Inc.</u> (Last) (First) (Middle) 5723 DELTA RIVER DRIVE (Street) LANSING MI 48906 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>Emergent BioSolutions Inc. [EBS]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title below) <input checked="" type="checkbox"/> Other (specify below) Member 13(d) group owning >10% |
| | 3. Date of Earliest Transaction (Month/Day/Year) 10/02/2007 | |
| | 4. If Amendment, Date of Original Filed (Month/Day/Year) | |
| | | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person |

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 | 10/02/2007 | | s ⁽¹⁾ | | 675 | D | \$8.67 | 1,722,567 | D | |
| Common Stock | 10/02/2007 | | s ⁽¹⁾ | | 200 | D | \$8.69 | 1,722,367 | D | |
| Common Stock | 10/02/2007 | | s ⁽¹⁾ | | 600 | D | \$8.72 | 1,721,767 | D | |
| Common Stock | 10/02/2007 | | s ⁽¹⁾ | | 200 | D | \$8.75 | 1,721,567 | D | |
| Common Stock | 10/02/2007 | | s ⁽¹⁾ | | 100 | D | \$8.76 | 1,721,467 | D | |
| Common Stock | 10/02/2007 | | s ⁽¹⁾ | | 700 | D | \$8.77 | 1,720,767 | D | |
| Common Stock | 10/02/2007 | | s ⁽¹⁾ | | 200 | D | \$8.8 | 1,720,567 | D | |
| Common Stock | 10/02/2007 | | s ⁽¹⁾ | | 100 | D | \$8.82 | 1,720,467 | D | |
| Common Stock | 10/02/2007 | | s ⁽¹⁾ | | 600 | D | \$8.83 | 1,719,867 | D | |
| Common Stock | 10/02/2007 | | s ⁽¹⁾ | | 125 | D | \$8.84 | 1,719,742 | D | |
| Common Stock | 10/02/2007 | | s ⁽¹⁾ | | 800 | D | \$8.85 | 1,718,942 | D | |
| Common Stock | 10/02/2007 | | s ⁽¹⁾ | | 300 | D | \$8.86 | 1,718,642 | D | |
| Common Stock | 10/02/2007 | | s ⁽¹⁾ | | 200 | D | \$8.89 | 1,718,442 | D | |
| Common Stock | 10/02/2007 | | s ⁽¹⁾ | | 200 | D | \$8.93 | 1,718,242 | 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) | | 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) | | | | | |

Explanation of Responses:

1. The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on June 8, 2007.

Carl A. Valenstein, attorney in fact 10/03/2007

** 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.

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 Number.