

Emergent BioSolutions Inc.
Form 4
August 20, 2007

FORM 4

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

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).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
Chatfield Steven

(Last) (First) (Middle)

2273 RESEARCH BLVD., SUITE 400

(Street)

ROCKVILLE, MD 20850

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
Emergent BioSolutions Inc. [EBS]

3. Date of Earliest Transaction (Month/Day/Year)
08/16/2007

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)

President, EPD UK, CSO

6. Individual or Joint/Group Filing(Check Applicable Line)

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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | Code | V | Amount | (A) or (D) | Price |
| Common Stock | 08/16/2007 | | M | | 19,180 | A | \$ 2.74 |
| Common Stock ⁽¹⁾ | 08/16/2007 | | S | | 180 | D | \$ 7.89 |
| Common Stock | 08/16/2007 | | S | | 200 | D | \$ 7.95 |
| Common Stock | 08/16/2007 | | S | | 100 | D | \$ 7.96 |
| Common Stock | 08/16/2007 | | S | | 100 | D | \$ 7.98 |

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| | | | | | | | |
|--------------|------------|---|-------|---|---------|--------|---|
| Common Stock | 08/16/2007 | S | 200 | D | \$ 7.99 | 18,400 | D |
| Common Stock | 08/16/2007 | S | 900 | D | \$ 8 | 17,500 | D |
| Common Stock | 08/16/2007 | S | 100 | D | \$ 8.01 | 17,400 | D |
| Common Stock | 08/16/2007 | S | 200 | D | \$ 8.02 | 17,200 | D |
| Common Stock | 08/16/2007 | S | 300 | D | \$ 8.04 | 16,900 | D |
| Common Stock | 08/16/2007 | S | 200 | D | \$ 8.05 | 16,700 | D |
| Common Stock | 08/16/2007 | S | 100 | D | \$ 8.06 | 16,600 | D |
| Common Stock | 08/16/2007 | S | 1,100 | D | \$ 8.07 | 15,500 | D |
| Common Stock | 08/16/2007 | S | 100 | D | \$ 8.12 | 15,400 | D |
| Common Stock | 08/16/2007 | S | 800 | D | \$ 8.14 | 14,600 | D |
| Common Stock | 08/16/2007 | S | 1,000 | D | \$ 8.15 | 13,600 | D |
| Common Stock | 08/16/2007 | S | 600 | D | \$ 8.16 | 13,000 | D |
| Common Stock | 08/16/2007 | S | 500 | D | \$ 8.17 | 12,500 | D |
| Common Stock | 08/16/2007 | S | 701 | D | \$ 8.18 | 11,799 | D |
| Common Stock | 08/16/2007 | S | 600 | D | \$ 8.19 | 11,199 | D |
| Common Stock | 08/16/2007 | S | 399 | D | \$ 8.2 | 10,800 | D |
| Common Stock | 08/16/2007 | S | 300 | D | \$ 8.21 | 10,500 | D |
| Common Stock | 08/16/2007 | S | 900 | D | \$ 8.22 | 9,600 | D |
| Common Stock | 08/16/2007 | S | 600 | D | \$ 8.23 | 9,000 | D |
| Common Stock | 08/16/2007 | S | 600 | D | \$ 8.25 | 8,400 | D |
| | 08/16/2007 | S | 900 | D | | 7,500 | D |

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| | | | | | | | |
|--------------|------------|---|-------|---|---------|-------|---|
| Common Stock | | | | | \$ 8.26 | | |
| Common Stock | 08/16/2007 | S | 200 | D | \$ 8.28 | 7,300 | D |
| Common Stock | 08/16/2007 | S | 200 | D | \$ 8.29 | 7,100 | D |
| Common Stock | 08/16/2007 | S | 1,679 | D | \$ 8.32 | 5,421 | D |
| Common Stock | 08/16/2007 | S | 1,420 | D | \$ 8.34 | 4,001 | D |

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

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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 Underlying Securities (Instr. 3 and 4) | | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--------------|----------------------------|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Employee Stock Option (right to buy) | \$ 2.74 | 08/16/2007 | | M | 19,180 | 08/16/2007 | 02/09/2010 | Common Stock | 19,180 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Chatfield Steven 2273 RESEARCH BLVD. SUITE 400 ROCKVILLE, MD 20850 | | | President, EPD UK, CSO | |

Signatures

/s/ R.DON ELSEY,
ATTORNEY-IN-FACT

08/20/2007

__Signature of Reporting Person

Date

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).
- (1) Pursuant to a Rule 10b5-1 trading plan for Emergent BioSolutions Inc. common stock administered by Merrill Lynch.

Remarks:

This is form 1 of 2

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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