

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>Elsey R Don</u>  (Last) (First) (Middle) 2273 RESEARCH BLVD, SUITE 400  (Street) ROCKVILLE MD 20850  (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) Other (specify below)  CFO
	3. Date of Earliest Transaction (Month/Day/Year) 10/20/2008	
	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  <input type="checkbox"/> 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	10/20/2008		M		5,000	A	\$3.5	5,300	D	
Common Stock	10/20/2008		S		500 <sup>(2)</sup>	D	\$17.8	4,800	D	
Common Stock	10/20/2008		S		200 <sup>(2)</sup>	D	\$17.82	4,600	D	
Common Stock	10/20/2008		S		200 <sup>(2)</sup>	D	\$17.83	4,400	D	
Common Stock	10/20/2008		S		100 <sup>(2)</sup>	D	\$17.84	4,300	D	
Common Stock	10/20/2008		S		1,200 <sup>(2)</sup>	D	\$17.85	3,100	D	
Common Stock	10/20/2008		S		300 <sup>(2)</sup>	D	\$17.86	2,800	D	
Common Stock	10/20/2008		S		700 <sup>(2)</sup>	D	\$17.87	2,100	D	
Common Stock	10/20/2008		S		900 <sup>(2)</sup>	D	\$17.88	1,200	D	
Common Stock	10/20/2008		S		300 <sup>(2)</sup>	D	\$17.89	900	D	
Common Stock	10/20/2008		S		600 <sup>(2)</sup>	D	\$17.9	300	D	
Common Stock	10/21/2008		M		4,334	A	\$8.43	4,634	D	
Common Stock	10/21/2008		S		4,334	D	\$19	300	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
Employee Stock Option (right to buy)	\$3.5	10/20/2008		M		5,000	(3)	06/06/2010		Common Stock	5,000	\$0	0	D	
Employee Stock Option (right to buy)	\$8.43	10/21/2008		M		4,334	(1)	06/06/2010		Common Stock	4,334	\$0	4,333	D	

**Explanation of Responses:**

- The option has vested with respect to 4,334 options. The remaining options will vest in two equal installments on June 13, 2009 and June 13, 2010.
- The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.
- The option is fully vested.

/s/R. Don Elsey

10/21/2008

\*\* 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.**