Emergent BioSolutions Inc.

Form 4

October 23, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

Estimated average burden hours per

OMB APPROVAL

response...

if no longer subject to Section 16. Form 4 or Form 5 obligations

may continue.

See Instruction

Check this box

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Michigan Biologic Products, Inc.		2. Issuer Name and Ticker or Trading Symbol Emergent BioSolutions Inc. [EBS]						5. Relationship of Reporting Person(s) to Issuer				
(Last)	(First) (Middle) 3. Date			Earliest '	Tra	nsaction			(Check all applicable)			
5723 DELTA RIVER DRIVE			(Month/Day/Year) 10/22/2007					Director 10% Owner Officer (give titleX Other (specify below) below) Member 13(d) group owning >10%				
	(Street)			4. If Amendment, Date Original					6. Individual or Joint/Group Filing(Check			
LANSING, MI 48906		Filed(Mor	Filed(Month/Day/Year)					Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned							ly Owned		
1.Title of Security (Instr. 3)	Security (Month/Day/Year) Execution D		on Date, if	Code (Instr. 3, 4 and 5)				d of (D)	5. Amount of Securities Form: Direct Indirect Beneficially (D) or Beneficially Owned Indirect (I) Ownersh (Instr. 4) Reported			
				Code '	V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)			
Common Stock	10/22/2007			S(1)		500	D	\$ 9.98	1,517,742	D		
Common Stock	10/22/2007			S(1)		500	D	\$ 9.99	1,517,242	D		
Common Stock	10/22/2007			S(1)		1,100	D	\$ 10	1,516,142	D		
Common Stock	10/22/2007			S(1)		1,168	D	\$ 10.01	1,514,974	D		
Common Stock	10/22/2007			S(1)		400	D	\$ 10.02	1,514,574	D		

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Common Stock	10/22/2007	S <u>(1)</u>	100	D	\$ 10.03	,514,474	D
Common Stock	10/22/2007	S(1)	700	D	\$ 10.05 1	,513,774	D

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

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SEC 1474

(9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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. Transac Code (Instr. 8	5. tionNumber of) Derivati Securitic Acquire (A) or Dispose of (D) (Instr. 3, 4, and 5)	(Month/Day ve es d	Pate	7. Title at Amount of Underlyin Securities (Instr. 3 a	of ng	8. Price of Derivative Security (Instr. 5)
				Code '	V (A) (D	Date Exercisable	Expiration Date	or Title Nu of	mount imber ares	

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Michigan Biologic Products, Inc. 5723 DELTA RIVER DRIVE LANSING, MI 48906

Member 13(d) group owning >10%

Signatures

/s/ Carl A. Valenstein, attorney in fact

et 10/23/2007

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

Reporting Owners 2

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