Taylor Daphne L Form 4 February 17, 2012

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB Washington, D.C. 20549 Number:

Check this box if no longer subject to Section 16. Form 4 or

obligations

may continue.

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

See Instruction 1(b).

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(Print or Type Responses)

1. Name and Address of Reporting Person * Taylor Daphne L

(First)

2. Issuer Name and Ticker or Trading Symbol

BIOLIFE SOLUTIONS INC [BLFS]

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(City)

(Instr. 3)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year) 02/15/2012

(Check all applicable) 10% Owner

X_ Officer (give title below) Chief Financial Officer

Other (specify

OMB APPROVAL

Expires:

response...

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

C/O BIOLIFE SOLUTIONS. INC., 3303 MONTE VILLA PARKWAY STE. 310

> (Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

Director

X Form filed by One Reporting Person Form filed by More than One Reporting

BOTHELL, WA 98021

1. Title of 2. Transaction Date 2A. Deemed Security

(State)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned (Month/Day/Year) Execution Date, if

(Month/Day/Year)

(Zip)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

Reported Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

(A)

or

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

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Conversion 3. Transaction Date 3A. Deemed (Month/Day/Year) Execution Date, if

5. Number of TransactionDerivative

6. Date Exercisable and **Expiration Date**

7. Title and Amount of **Underlying Securities**

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code (Instr. 8					(Instr. 3 and 4)	
				Code '	V (A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 0.1	02/15/2012		A	250,000		<u>(1)</u>	02/14/2022	Common Stock	250,000

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Taylor Daphne L C/O BIOLIFE SOLUTIONS, INC. 3303 MONTE VILLA PARKWAY STE. 310 BOTHELL, WA 98021

Chief Financial Officer

Signatures

/s/ Daphne Taylor 02/15/2012

**Signature of Date Reporting Person

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) Exercisable to the extent of 62,500 on 2/15/2013, and remaining balance exercisable to the extent of 1/36th thereof on the 15th day of each month commencing on 3/15/2013.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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