NEAL PHILIP M Form 4 July 05, 2005

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

Form 4 or Form 5 obligations STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per 0.5 response...

may continue. See Instruction

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 * **NEAL PHILIP M**

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Symbol

EDWARDS LIFESCIENCES CORP

(Check all applicable)

[EW]

(Last)

(Middle)

3. Date of Earliest Transaction

X Director 10% Owner

(Month/Day/Year)

07/01/2005

Other (specify Officer (give title

C/O EDWARDS LIFESCIENCES CORPORATION, ONE EDWARDS

(Street)

(First)

WAY

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

6. Individual or Joint/Group Filing(Check

Applicable Line)

IRVINE, CA 92614

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

Issuer

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

Stock

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

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

5. Amount of Securities Beneficially Owned

Following

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

(A)

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

Common 07/01/2005

Amount (D) Price 464

13,464 (1) D

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

Persons who respond to the collection of **SEC 1474** information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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| 1. Title of | 2. | 3. Transaction Date | | 4. | 5. | 6. Date Exerc | | 7. Title a | | 8. Price of | 9. Nu |
|--------------------------------------|---|---------------------|---|-----------------|---|----------------------------------|--------------------|---|-------|--------------------------------------|--|
| Derivative Security (Instr. 3) | Conversion or Exercise Price of Derivative Security | (Month/Day/Year) | execution Date, if any (Month/Day/Year) | Code (Instr. 8) | onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | Expiration Date (Month/Day/Year) | | Amount of Underlying Securities (Instr. 3 and 4) | | Derivative Security (Instr. 5) | Deriv Secur Bene Owne Follo Repo Trans (Instr |
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | or Title N of | umber | | |

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

NEAL PHILIP M C/O EDWARDS LIFESCIENCES CORPORATION ONE EDWARDS WAY IRVINE, CA 92614



Signatures

/s/ Jay P. Wertheim, Attorney-in-fact

07/05/2005

**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) This Form 4 reflects changes in beneficial ownership only; it does not identify other securities of the Issuer beneficially owned by the reporting person.

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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