MCNEIL BARBARA J Form 3 February 21, 2006 FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 OMB

INITIAL STATEMENT OF 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

OMB APPROVAL

OMB Number: 3235-0104 Expires: January 31, 2005 Estimated average burden hours per response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person <u>*</u> MCNEIL BARBARA J			2. Date of Event Requiring Statement (Month/Day/Year)		3. Issuer Name and Ticker or Trading Symbol EDWARDS LIFESCIENCES CORP [EW]				
(Last)	(First)	(Middle)	02/16/2006	4. Relationsh Person(s) to l	ip of Reporting Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)			
C/O EDWARDS LIFESCIENCES CORPORATION, ONE EDWARDS WAY (Street)				(Check XDirecto Officer (give title belo	Other	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting			
IRVINE, CA 92614						Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table	e I - Non-Deriva	tive Securiti	es Be	neficially Owned		
1.Title of Securi (Instr. 4)	ty			iount of Securities icially Owned 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owne (Instr.	•		
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)									
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 control number.									

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

1. Title of Derivative Security	2. Date Exercisable and	3. Title and Amount of	4.	5.	6. Nature of Indirect
(Instr. 4)	Expiration Date	Securities Underlying	Conversion	Ownership	Beneficial Ownership
	(Month/Day/Year)	Derivative Security	or Exercise	Form of	(Instr. 5)
		(Instr. 4)	Price of	Derivative	
			Derivative	Security:	

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Date Exercisable	Expiration Tit Date	tle Amour Numbe	Security	Direct (D) or Indirect
		Shares		(I)
				(Instr. 5)

Reporting Owners

Reporting Owner Name / Address		Relationships					
	Direc	ctor	10% Owner	Officer	Other		
MCNEIL BARBARA J C/O EDWARDS LIFESCIENCES CORPORATIO ONE EDWARDS WAY IRVINE, CA 92614	N Â	х	Â	Â	Â		
Signatures							
/s/ Jay P. Wertheim, Attorney-in-fact 02/21/2000	6						
**Signature of Reporting Person Date							
Explanation of Responses:							

No securities are beneficially owned

- * If the form is filed by more than one reporting person, see Instruction 5(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. 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.