

DUYK GEOFFREY M
Form 3
June 27, 2006

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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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

(Print or Type Responses)

1. Name and Address of Reporting Person *

DUYK GEOFFREY M
(Last) (First) (Middle)

2. Date of Event Requiring Statement

(Month/Day/Year)
06/27/2006

3. Issuer Name and Ticker or Trading Symbol
REPLIDYNE INC [RDYN]

4. Relationship of Reporting Person(s) to Issuer

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

(Check all applicable)

Director 10% Owner
 Officer Other
(give title below) (specify below)

C/O TEXAS PACIFIC GROUP, 301 COMMERCE STREET, SUITE 3300
(Street)

FORT WORTH, TX 76102
(City) (State) (Zip)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)

2. Amount of Securities Beneficially Owned (Instr. 4)

3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)

4. Nature of Indirect Beneficial Ownership (Instr. 5)

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 (Instr. 4)

2. Date Exercisable and Expiration Date (Month/Day/Year)

3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)

4. Conversion or Exercise Price of Derivative Security

5. Ownership Form of Derivative Security: Direct (D)

6. Nature of Indirect Beneficial Ownership (Instr. 5)

Date Exercisable Expiration Date

Title Amount or Number of

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	06/27/2007 ⁽¹⁾	06/27/2016	Common Stock	Shares		or Indirect (I) (Instr. 5)	
				16,313	\$ ⁽²⁾	D	Â
Stock Option (Right to Purchase)							

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
DUYK GEOFFREY M C/O TEXAS PACIFIC GROUP 301 COMMERCE STREET, SUITE 3300 FORT WORTH, TX 76102	Â X	Â	Â	Â

Signatures

/s/ Dr. Geoffrey M. Duyk 06/27/2006

__Signature of Reporting Person Date

Explanation of Responses:

- * 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).
- (1) One-third of the options will vest on July 27, 2007 and the remaining two-thirds will vest in equal monthly installments in the subsequent 24-month period.
- (2) The exercise price for the options will be determined on the date hereof after the filing of this Form 3.

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.