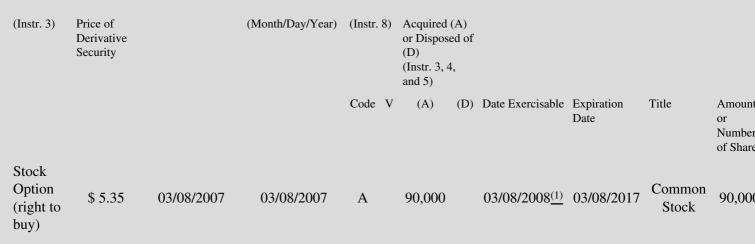
Form 4										
March 09, 2007	,									
FORM 4 UNITED STATES SECURITIES AND EXCHANCE COMMISSION							- .T	OMB APPROVAL		
Washington, D.C. 20549							OMB Number:	3235-0287		
Check this be if no longer									January 31, 2005	
subject to Section 16. Form 4 or Form 5		OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES					Estimated burden hou response	average urs per		
obligations may continue <i>See</i> Instruction 1(b).	e. Section 17((a) of the H	Public U	Itility Hol	ding Co		ange Act of 1934, t of 1935 or Section 1940	on		
(Print or Type Resp	ponses)									
1. Name and Address of Reporting Person <u>*</u> Letendre Peter			2. Issuer Name and Ticker or Trading Symbol REPLIDYNE INC [RDYN]				5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First) (-	(Check all applicable)			
1450 INFINITE DRIVE			(Month/Day/Year) 03/08/2007				Director 10% Owner X_ Officer (give title Other (specify below) Chief Commercial Officer			
(Street)			4. If Amendment, Date Original			6. Individual or Joint/Group Filing(Check				
LOUISVILLE, CO 80027			Filed(Month/Day/Year)				Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting			
(City)	(Stata)	(Zin)					Person			
(City)	(State)	(Zip)	Tab	ole I - Non-l	Derivativ	e Securities	Acquired, Disposed	of, or Beneficia	ally Owned	
	Fransaction Date onth/Day/Year)		Date, if	3. Transactio Code (Instr. 8)	Disposed (Instr. 3,	(A) or d of (D) 4 and 5) (A) or	Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Reminder: Report	on a separate line	e for each cla	ass of sec	Code V						
Kenniker, Report	en a separate filk			unites bene	Perse infor requi	ons who re mation cor red to resp ays a curre	espond to the colle ntained in this form bond unless the fo ently valid OMB co	n are not rm	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	2.	3. Transaction Date	3A. Deemed	4.	5. Number of	6. Date Exercisable and	7. Title and Amount o
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orDerivative	Expiration Date	Underlying Securities
Security	or Exercise		any	Code	Securities	(Month/Day/Year)	(Instr. 3 and 4)

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Reporting Owners

Reporting Owner Name / Address			Relationships			
1	Director	10% Owner	Officer	Other		
Letendre Peter 1450 INFINITE DRIVE LOUISVILLE, CO 80027			Chief Commercial Officer			
Signatures						
/s/ Laura M. Medina, Attorney-in-Fact 03/09/200			07			

**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).

Grant to Reporting Person of a stock option under the Issuer's 2006 Equity Incentive Plan. The option vests over a four year period, with
 (1) 25% of such option vesting on the one year anniversary of the Vesting Commencement Date and the remaining 75% of such option vesting in equal monthly installments over the next 36 months. The option expires ten years after the date of grant.

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.