SEC For	m 4																
FORM 4			UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549													APPRO	VAL
Section obligat	this box if no lo n 16. Form 4 or ions may contii tion 1(b).		STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940											OMB Number: 3235-0287 Estimated average burden hours per response: 0.5			
1. Name and Address of Reporting Person* Peters William P (Last) (First) (Middle)					2. Issuer Name and Ticker or Trading Symbol <u>ADHEREX TECHNOLOGIES INC</u> [<u>AMEX:ADH</u>]								elationship of ck all applical Director Officer (c below)	ole)	, 10% Ov		vner
4620 CREEKSTONE DRIVE, SUITE 200					3. Date of Earliest Transaction (Month/Day/Year) 02/27/2008								Chairman and CEO				
(Street) DURHAM NC 27703 (City) (State) (Zip)					XF							Form file	vidual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person Form filed by More than One Reporting Person				
(0.13)	(-	,		Doriva	tivo	Socuritic		cauired [Nici	nosod o	f or Bo	neficially	Owned				
Date				. Transad			ned n Dat	e, Transaction Code (Instr.		4. Securities Acquired (Disposed Of (D) (Instr. 3		ed (A) or	5. Amount Securities Beneficiall Following	5. Amount of Securities Beneficially Owned		Direct Indirect tr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
								Code	v	Amount	(A) c (D)	Price	Transactio	Transaction(s) (Instr. 3 and 4)			(11501-4)
			Table II - D (e					quired, Di s, options					wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable		Expiration Date	Title	Amount or Number of Shares		(Instr. 4)			
Stock Options (Right to buy)	\$0.38	02/27/2008		Α		2,000,000		02/27/2008 ⁽¹	.) C	02/27/2015	Common Stock	2,000,000	\$0 2,000		1,000	D	
Explanatio	n of Respons	ses:															

1. The options to which this note relates vested 100% on the date reported above.

<u>D. Scott Murray, Attorney-in-</u> <u>Fact</u>

02/29/2008

** Signature of Reporting Person

Date

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

 * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.