SEC Form 4

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 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 APPROVAL OMB Number: 3235-0287 Estimated average burden 0.5 hours per response:

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1. Name and Addres Butts Robert	s of Reporting Person	e .	2. Issuer Name and Ticker or Trading Symbol <u>ADHEREX TECHNOLOGIES INC</u> [ADHXF		ionship of Reporting Person(s) to Issuer all applicable) Director X 10% Owner						
]		Officer (give title		Other (specify				
			3. Date of Earliest Transaction (Month/Day/Year) 06/08/2010		below)		below)				
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indivi Line)	dual or Joint/Group F	ling (C	heck Applicable				
NASHVILLE	TN	37215		X	Form filed by One F	eportir	ng Person				
					Form filed by More Person	han O	ne Reporting				
(City)	(State)	(Zip)			reison						

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Date Execution Date,		ction Instr.				5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)	
Common Shares	06/08/2010	06/08/2010	Р		0	Α	(1)	41,504,000	D		

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

	(,														
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. Transa Code (8)		of Deriv	rities lired r osed) 7. 3, 4	6. Date Exercisable and Expiration Date (Month/Day/Year) 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		Underlying Security	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	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				
Common Stock Warrants (right to buy) ⁽¹⁾	\$0.08	06/08/2010	06/08/2010	Р			0	10/31/2010	04/30/2015	Common Stock	41,504,000	(1)	41,504,000	D	

Explanation of Responses:

1. The reported securities are included within 41,504,000 units purchased by reporting person for CDN\$0.03 per unit. Each unit consists of one share of common stock of Adherex Technologies Inc. and one warrant to purchase one share of common stock of Adherex Technologies Inc.

/s/ Robert	W. Butts	
** 0:		D

06/09/2010

** 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.