#### AGILENT TECHNOLOGIES INC

Form 4

March 30, 2012

# FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

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**OMB APPROVAL** 

response...

Section 16. Form 4 or Form 5 obligations

may continue.

Check this box

if no longer

subject to

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 See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person \*

(First)

(State)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

RAND A BARRY

AGILENT TECHNOLOGIES INC

(Check all applicable)

[A]

(Middle)

(Zip)

(Last)

3. Date of Earliest Transaction

X\_ Director Officer (give title

10% Owner Other (specify

(Month/Day/Year) 5301 STEVENS CREEK BLVD, MS 03/22/2012

1A-LC

(City)

(Street) 4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

SANTA CLARA, CA 95051

(City)	(State)	(Zip) Tak	ole I - Non-	Derivative Sec	curitie	es Acquir	ed, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired (A) Transaction Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)  (A) or Code V Amount (D) Price			red (A)	5. Amount of 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)
Common Stock	03/22/2012		A(1)	1,631.913	A	\$ 43.71	37,588.193	D	
Common Stock	03/22/2012		A(2)	4,079	A	\$ 43.71	41,667.193	D	

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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#### 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.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	orNumber	Expiration D	ate	Amount	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securitie	es	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
								^	mount		
									mount		
						Date	Expiration Date	or Title Number of			
						Exercisable					
				C + V	(A) (D)						
				Code V	(A) (D)			S	hares		

## **Reporting Owners**

Relationships Reporting Owner Name / Address

> 10% Owner Officer Other Director

RAND A BARRY 5301 STEVENS CREEK BLVD, MS 1A-LC X SANTA CLARA, CA 95051

### **Signatures**

/s/ Stephen D. Williams, attorney-in-fact for Mr. Rand

03/23/2012

\*\*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).
  - Shares of the Company's common stock held in a deferral account pursuant to the Agilent Technologies, Inc. 2005 Deferred
- (1) Compensation Plan for Non-Employee Directors that vest quarterly in 25% increments, with the first date of vesting being the date of
- Shares of the Company's common stock held in a deferral account pursuant to the Agilent Technologies, Inc. 2005 Deferred Compensation Plan for Non-Employee Directors. Such shares were fully vested upon 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.

Reporting Owners 2