Van Vleet III William B Form 4 November 23, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

Number: 3235-0287

January 31,

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if no longer subject to Section 16. Form 4 or

Check this box

Form 5 obligations may continue.

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

1(b).

(C:t-)

(Print or Type Responses)

(Ctota)

(7:n)

1. Name and Address of Reporting Person * Van Vleet III William B	2. Issuer Name and Ticker or Trading Symbol APPLIED SIGNAL TECHNOLOGY INC [APSG]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) (First) (Middle) 400 W. CALIFORNIA AVE	3. Date of Earliest Transaction (Month/Day/Year) 11/19/2010	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) President & CEO			
(Street) SUNNYVALE, CA 94086	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

(City)	(State) (Tabl	e I - Non-D	erivative	Secur	rities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of	2. Transaction Date		3.	4. Securi			5. Amount of	6. Ownership	
Security	(Month/Day/Year)	Execution Date, if	Transactio	on(A) or Di	ispose	d of (D)	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(Instr. 3,	4 and	5)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	Indirect (I)	Ownership
							Following	(Instr. 4)	(Instr. 4)
					(4)		Reported		
					(A)		Transaction(s)		
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock	11/19/2010		F	876	D	\$ 33.09	134,517	D	

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

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SEC 1474

(9-02)

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

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	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Titl		8. Price of	9. Nu
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transact Code (Instr. 8)	orNumber of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	:		Amou Under Securi (Instr.	lying	Derivative Security (Instr. 5)	Deriv Secur Bene Own Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
reporting 6 wher runne / runness	Director	10% Owner	Officer	Other			
Van Vleet III William B 400 W. CALIFORNIA AVE SUNNYVALE, CA 94086	X		President & CEO				

Signatures

William B. Van
Vleet III

**Signature of Reporting

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).

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.

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