Sims John D Form 4 January 24, 2018

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

2005

Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

January 31, Expires:

Estimated average burden hours per response... 0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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).

(Print or Type Responses)

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading Symbol Symbol	5. Relationship of Reporting Person(s) to Issuer				
ALLEGHENY TECHNOLOGIES INC [ATI]	(Check all applicable)				
(Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year)	Director 10% OwnerX_ Officer (give title Other (specif				
1000 SIX PPG PLACE 01/22/2018	below) below) EVP, HPMC Segment				
(Street) 4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check				
Filed(Month/Day/Year) PITTSBURGH, PA 15222	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person				

(City)	(State)	(Zip) Tak	ole I - Non-	Derivative Se	curities	Acqu	ired, Disposed of, o	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. Transaction Code (Instr. 8)	4. Securities oper Disposed of (Instr. 3, 4 and Amount	of (D) ad 5) (A) or	d (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, \$0.10 par value per share	01/22/2018		D	7,867.001 (1)	D	\$ 0	151,307.2081	D	

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

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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 Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transacti	5. orNumber	6. Date Exerc Expiration D		7. Title Amount		8. Price of Derivative	9. Nu Deriv
Security or Exer (Instr. 3) Price o Deriva		or Exercise Price of Derivative Security	se	any (Month/Day/Year)	Code (Instr. 8)	of	(Month/Day/Year) erivative ecurities ecquired a) or isposed (D) nstr. 3,		Underlying Securities (Instr. 3 and 4)	Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr	
					Code V	(A) (D)	Date Exercisable	Expiration Date	Title N	Amount or Number of Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Officer Other Director 10% Owner

Sims John D 1000 SIX PPG PLACE

EVP, HPMC Segment

PITTSBURGH, PA 15222

Signatures

/s/ Elliot S. Davis, Attorney-in-Fact for John D. Sims

01/24/2018

**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).
- (1) Forfeiture of restricted shares, including accumulated dividends, granted under the 2015 Performance/Restricted Stock Program.

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