

APPLIED INDUSTRIAL TECHNOLOGIES INC  
 Form 4  
 August 15, 2007

**FORM 4**

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

OMB APPROVAL

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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 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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 PURSER BILL L

2. Issuer Name and Ticker or Trading Symbol  
 APPLIED INDUSTRIAL TECHNOLOGIES INC [AIT]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)  
 ONE APPLIED PLAZA  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 08/14/2007

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 President

CLEVELAND, OH 441155056  
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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 Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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)
				(A) or (D)	Price		
				Code	V	Amount	
Common Stock	08/14/2007		S	300	D	\$ 29.2	14,951 D
Common Stock	08/14/2007		S	200	D	\$ 29.21	14,751 D
Common Stock	08/14/2007		S	500	D	\$ 29.22	14,251 D
Common Stock	08/14/2007		S	200	D	\$ 29.23	14,051 D
Common Stock	08/14/2007		S	100	D	\$ 29.24	13,951 D

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Common Stock	08/14/2007	S	200	D	\$ 29.27	13,751	D	
Common Stock	08/14/2007	S	100	D	\$ 29.28	13,651	D	
Common Stock	08/14/2007	S	200	D	\$ 29.3	13,451	D	
Common Stock	08/14/2007	S	100	D	\$ 29.31	13,351	D	
Common Stock	08/14/2007	S	100	D	\$ 29.32	13,251	D	
Common Stock	08/14/2007	S	100	D	\$ 29.34	13,151	D	
Common Stock	08/14/2007	S	100	D	\$ 29.35	13,051	D	
Common Stock	08/14/2007	S	400	D	\$ 29.36	12,651	D	
Common Stock	08/14/2007	S	100	D	\$ 29.37	12,551	D	
Common Stock	08/14/2007	S	100	D	\$ 29.39	12,451	D	
Common Stock						44,048.69	I	Deferred Compensation Plan
Common Stock						250.31	I	Retirement Savings Plan

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

**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 control number.**

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(9-02)

**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. 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 Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned (Instr. 5)
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Code	V	(A)	(D)	

## Reporting Owners

<b>Reporting Owner Name / Address</b>	<b>Relationships</b>			
	Director	10% Owner	Officer	Other
PURSER BILL L ONE APPLIED PLAZA CLEVELAND, OH 441155056			President	

## Signatures

By: Dianne Misenko/POA for Bill L. Purser	08/15/2007
**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).

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

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