BAHAJ ALI M Form 4 May 03, 2005

FORM 4

OMB APPROVAL

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

OMB 3235-0287

Check this box if no longer subject to Section 16.

Number: January 31, Expires: 2005

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

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction

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 *BAHAJ ALI M		Symbol	2. Issuer Name and Ticker or Trading Symbol CATERPILLAR INC [CAT]			5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First) (M		Earliest Tra		(Check all applicable)				
(Last)	(Pirst) (IV	, 5.24.0		ansaction		400			
100 N.E. ADAMS STREET (Street)		`	(Month/Day/Year) 04/29/2005			Director 10% Owner X Officer (give title Other (specify below) Vice President			
		4. If Ame	4. If Amendment, Date Original			6. Individual or Joint/Group Filing(Check			
PEORIA, IL	. 61629-3305	Filed(Mor	nth/Day/Year)			y One Reporting Por More than One Ro			
(City)	(State)	Zip) Tabl	e I - Non-D	erivative Securities A	cquired, Disposed	of, or Beneficia	lly Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code	4. Securities onAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or	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 18,936 (1) D

Owned by Common 195 Ι Wife (2)

Code V Amount (D) Price

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.

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

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1. Title of	2.	3. Transaction Date		4.	5.	6. Date Exer	cisable and	7. Title and .	Amount of	8. Price of
Derivative	Conversion	(Month/Day/Year)	Execution Date, if		orNumber	Expiration D		Underlying S		Derivative
Security	or Exercise		any	Code	of	(Month/Day	/Year)	(Instr. 3 and	4)	Security
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative					(Instr. 5)
	Derivative				Securities					
	Security				Acquired					
					(A) or					
					Disposed					
					of (D)					
					(Instr. 3,					
					4, and 5)					
									Amount	
						D. 4	Б		or	
						Date	Expiration	Title	Number	
						Exercisable	Date		of	
				Code V	(A) (D)				Shares	
D1 .										
Phantom										
Stock	$$0^{(3)}$	04/29/2005		A	27	<u>(4)</u>	(4)	Common	27	\$ 0
Units										

Reporting Owners

Director 10% Owner Officer Other

BAHAJ ALI M

100 N.E. ADAMS STREET Vice President

PEORIA, IL 61629-3305

Signatures

Ali M. Bahaj; L.J. Huxtable,

POA 05/03/2005

**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) This amount includes 9017 shares in EIP-1 and 271 shares in SEIP.
- (2) Reporting person disclaims beneficial ownership.
- (3) Security converts to common stock on a one-for-one basis.
- (4) The reported phantom stock units were acquired under Caterpillar Inc.'s deferred employee investment plan and will be settled upon the reporting person's retirement or other termination of service.

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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