ODELL JEFFREY L

Form 5

January 27, 2005

FORM 5

OMB APPROVAL

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

3235-0362 Number: January 31,

no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction

Check this box if

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ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

response... 1.0

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940

Form 4

Transactions Reported

1. Name and Address of Reporting Person * ODELL JEFFREY L			2. Issuer Name and Ticker or Trading Symbol AUGUST TECHNOLOGY CORP [AUGT]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last) 4900 WEST	(First) 78TH STRI	(Middle)	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2004	_X_ Director 10% Owner Section 10% Owner Other (specify below) CEO & Chairman		
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Reporting		

BLOOMINGTON, MNÂ 55435

X Form Filed by One Reporting Person Form Filed by More than One Reporting

(check applicable line)

(City)	(State)	(Zip) Tab	le I - Non-Der	rivative Sec	curitie	es Acqu	ired, Disposed	of, or Benefic	ially 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. Securit (A) or Di (D) (Instr. 3,	sposed	l of	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	06/23/2004	Â	S4	12,750	D	\$ 13	881,536	D	Â
Common Stock	12/06/2004	Â	G	18,350	D	\$0	863,186	D	Â
Common Stock	06/23/2004	Â	S4	3,750	D	\$ 13	227,500	I	By O'Dell Family Limited Partnership

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.

SEC 2270 (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)	Number		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 9.92	Â	Â	Â	Â	Â	12/31/2001	04/12/2008	Common Stock	0
Stock Option (right to buy)	\$ 13.24	Â	Â	Â	Â	Â	(1)	07/12/2008	Common Stock	0
Stock Option (right to buy)	\$ 4.7	Â	Â	Â	Â	Â	(2)	07/18/2009	Common Stock	0

Reporting Owners

Reporting Owner Name / Address	Relationships							
· · · · · · · · · · · · · · · · · · ·	Director	10% Owner	Officer	Other				
ODELL JEFFREY L 4900 WEST 78TH STREET BLOOMINGTON, MN 55435	ÂΧ	Â	CEO & Chairman	Â				

Signatures

Robert K. Ranum as Attorney-in-Fact for Jeff L. O'Dell pursuant to Power of Attorney previously filed.

01/25/2005

**Signature of Reporting Person

Date

Reporting Owners 2

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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) Vesting accelerated; fully vested as of December 21, 2004.
- (2) Original option (10,000 shares) exercisable in five annual increments of 2,000 shares beginning on July 18, 2002.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.