

AUGUST TECHNOLOGY CORP
 Form 4
 February 17, 2006

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 *
 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) (First) (Middle)
 4900 WEST 78TH STREET
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 02/15/2006

Director 10% Owner
 Officer (give title below) Other (specify below)
 CEO & Chairman

BLOOMINGTON, MN 55435

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

(City) (State) (Zip)

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)
			Code	V	Amount	(A) or (D)	Price
Common Stock	02/15/2006		D		870,449	D	(1) 0
Common Stock	02/15/2006		D		227,500	D	(2) 0

By O'Dell Family Limited Partnership

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

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SEC 1474 (9-02)

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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 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. Amount or Number of Shares
Stock Option (right to buy)	\$ 13.24	02/15/2006		D	5,000	⁽³⁾ 07/12/2008	Common Stock	5,000
Stock Option (right to buy)	\$ 4.7	02/15/2006		D	2,000	⁽⁴⁾ 07/18/2009	Common Stock	2,000

Reporting Owners

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

Signatures

/s/ Robert K. Ranum as Attorney-in-Fact for Jeff L. O'Dell pursuant to Power of Attorney previously filed 02/16/2006

__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).

The shares were disposed of pursuant to a merger agreement by and among the Issuer, Rudolph Technologies, Inc. ("Rudolph") and NS Merger Sub, Inc., a wholly-owned subsidiary of Rudolph (the "Merger"), in exchange for (i) up to 663,717 shares of Rudolph common stock have a market value of \$17.92 per share on the effective date of the Merger, representing 0.7625 shares of Rudolph common stock

(1) per share of the Issuer's stock, or (ii) a cash payment of up to \$9,139,714.50, representing \$10.50 per share of the Issuer's stock, or (iii) a combination of shares and cash in amounts determined according to the election of the reporting person, if any, and the proration and allocation procedures set forth in the merger agreement; the determination of the allocation of shares and cash will be made on or about February 22, 2006.

(2)

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The shares were disposed of pursuant to the Merger in exchange for (i) up to 173,468 shares of Rudolph common stock have a market value of \$17.92 per share on the effective date of the Merger, representing 0.7625 shares of Rudolph common stock per share of the Issuer's stock, or (ii) a cash payment of up to \$2,388,750, representing \$10.50 per share of the Issuer's stock, or (iii) a combination of shares and cash in amounts determined according to the election of the reporting persn, if any, and the proration and allocation procedures set forth in the merger agreement; the determination of the allocation of shares and cash will be made on or about February 22, 2006.

- (3) The option, which was fully vested, was assumed by Rudolph in the Merger and replaced with an option to purchase 3,812 shares of Rudolph common stock for \$17.37 per share.
- (4) The option, which was fully vested, was assumed by Rudolph in the Merger and replaced with an option to purchase 1,525 shares of Rudolph common stock for \$6.17 per share.

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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