

Plisinski Michael P
 Form 4
 September 27, 2005

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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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 *
 Plisinski Michael P

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)
 09/26/2005

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 VP of Engineering

BLOOMINGTON, MN 55435
 (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) | | |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|---------|---|
| | | | Code | V | Amount | (A) or (D) | Price | | |
| Common Stock | 09/26/2005 | | S ⁽¹⁾ | | 200 | D | \$ 12.17 | 187,386 | D |
| Common Stock | 09/26/2005 | | S ⁽¹⁾ | | 2,510 | D | \$ 12.18 | 184,876 | D |
| Common Stock | 09/26/2005 | | S ⁽¹⁾ | | 800 | D | \$ 12.19 | 184,076 | D |
| Common Stock | 09/26/2005 | | S ⁽¹⁾ | | 90 | D | \$ 12.1933 | 183,986 | D |
| Common Stock | 09/26/2005 | | S ⁽¹⁾ | | 400 | D | \$ 12.2 | 183,586 | D |

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| | | | | | | | |
|--------------|------------|------------------|-------|---|----------|---------|---|
| Common Stock | 09/26/2005 | S ⁽¹⁾ | 400 | D | \$ 12.21 | 183,186 | D |
| Common Stock | 09/26/2005 | S ⁽¹⁾ | 2,000 | D | \$ 12.22 | 181,186 | D |
| Common Stock | 09/26/2005 | S ⁽¹⁾ | 1,725 | D | \$ 12.23 | 179,461 | D |
| Common Stock | 09/26/2005 | S ⁽¹⁾ | 875 | D | \$ 12.24 | 178,586 | D |
| Common Stock | 09/26/2005 | S ⁽¹⁾ | 625 | D | \$ 12.25 | 178,961 | D |
| Common Stock | 09/26/2005 | S ⁽¹⁾ | 100 | D | \$ 12.26 | 177,861 | D |
| Common Stock | 09/26/2005 | S ⁽¹⁾ | 175 | D | \$ 12.28 | 177,686 | D |
| Common Stock | 09/27/2005 | S ⁽¹⁾ | 300 | D | \$ 12.13 | 177,386 | D |
| Common Stock | 09/27/2005 | S ⁽¹⁾ | 100 | D | \$ 12.16 | 177,286 | D |
| Common Stock | 09/27/2005 | S ⁽¹⁾ | 200 | D | \$ 12.18 | 177,086 | D |
| Common Stock | 09/27/2005 | S ⁽¹⁾ | 500 | D | \$ 12.19 | 176,586 | D |
| Common Stock | 09/27/2005 | S ⁽¹⁾ | 400 | D | \$ 12.2 | 176,186 | D |
| Common Stock | 09/27/2005 | S ⁽¹⁾ | 100 | D | \$ 12.21 | 176,086 | D |
| Common Stock | 09/27/2005 | S ⁽¹⁾ | 200 | D | \$ 12.22 | 175,886 | D |
| Common Stock | 09/27/2005 | S ⁽¹⁾ | 300 | D | \$ 12.23 | 175,586 | D |

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

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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 | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Pri Deriv Secur (Instr |
|--|------------------------------------|--------------------------------------|--|--------------------------------|-------------------------|--|---|---------------------------|
|--|------------------------------------|--------------------------------------|--|--------------------------------|-------------------------|--|---|---------------------------|

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| Derivative Security | | Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
|-----------------------------|----------|---|---|------------------|-----------------|--------------|----------------------------|
| | | Code | V | | | | |
| Stock Option (right to buy) | \$ 7.1 | | | (2) | 08/01/2010 | Common Stock | 40,000 |
| Stock Option (right to buy) | \$ 18.45 | | | 02/06/2004 | 02/06/2014 | Common Stock | 1,737 |
| Stock Option (right to buy) | \$ 7.62 | | | 02/19/2005 | 10/22/2014 | Common Stock | 1,208 |
| Stock Option (right to buy) | \$ 10.38 | | | (3) | 12/30/2014 | Common Stock | 3,158 |
| Stock Option (right to buy) | \$ 10.38 | | | (4) | 12/30/2014 | Common Stock | 6,842 |
| Stock Option (right to buy) | \$ 12.1 | | | 03/07/2005 | 03/07/2015 | Common Stock | 1,915 |
| Stock Option (right to buy) | \$ 12.1 | | | 03/07/2005 | 03/07/2015 | Common Stock | 1,140 |
| Stock Option (right to buy) | \$ 11.8 | | | (5) | 04/29/2015 | Common Stock | 35,000 |
| Stock Option (right to buy) | \$ 12.74 | | | 07/21/2005 | 07/21/2015 | Common Stock | 965 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|----------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Plisinski Michael P 4900 WEST 78TH STREET BLOOMINGTON, MN 55435 | | | VP of Engineering | |

Signatures

Robert K. Ranum as Agent for Michael P. Plisinski pursuant to Power of Attorney previously filed 09/27/2005

__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) Sale effected pursuant to Rule 10b5-1 trading plan adopted by reporting person on August 30, 2005.
- (2) Original option (40,000 shares) exercisable in five annual increments of 8,000 shares beginning August 1, 2004.
- (3) Original option (3,158 shares) exercisable: 1,074 shares on December 30, 2004 and 1,042 shares on December 30, 2005 and December 30, 2006.
- (4) Original option (6,842 shares) exercisable: 2,327 shares on December 30, 2004; 2,258 shares on December 30, 2005 and 2,257 shares on December 30, 2006.
- (5) Original option (35,000 shares) exercisable: 11,900 shares on April 29, 2005 and 11,550 shares on April 29, 2006 and April 29, 2007.

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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