

BARKER ROTCHFORD L
 Form 4
 January 03, 2005

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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 *
BARKER ROTCHFORD L

2. Issuer Name and Ticker or Trading Symbol
AMERICAN ECOLOGY CORP [ECOL]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 300 E. MALLARD, SUITE 300

3. Date of Earliest Transaction (Month/Day/Year)
 12/31/2004

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

(Street)
 BOISE, ID 83706

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 Ownership (Instr. 4) | | | |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|-----------|---|----------|
| | | | | (A) or (D) | Price | | | | | |
| Common Stock | 12/31/2004 | 12/31/2004 | J ⁽²⁾ | V | 334 | A | \$ 11.97 | 2,919,663 | D | |
| Common Stock | | | | | | | | 33,000 | I | By Child |

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. Pr Deri Secu (Inst | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-----------------------|----------------------------|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Common Stock Option ⁽¹⁾ | \$ 9.2 | | | | | 05/20/2004 | 05/20/2014 | Common Stock | 10,000 |
| Common Stock Option ⁽¹⁾ | \$ 2.6 | | | | | 05/29/2003 | 05/29/2013 | Common Stock | 10,000 |
| Common Stock Option ⁽¹⁾ | \$ 2.42 | | | | | 05/24/2001 | 05/24/2011 | Common Stock | 10,000 |
| Common Stock Option ⁽¹⁾ | \$ 3.75 | | | | | 05/18/2000 | 05/18/2010 | Common Stock | 10,000 |
| Common Stock Option ⁽¹⁾ | \$ 2.125 | | | | | 05/13/1999 | 05/13/2009 | Common Stock | 10,000 |
| Common Stock Option ⁽¹⁾ | \$ 1.469 | | | | | 05/14/1998 | 05/14/2008 | Common Stock | 10,000 |
| Common Stock Option ⁽¹⁾ | \$ 2.25 | | | | | 04/10/1996 | 04/10/2006 | Common Stock | 7,500 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| BARKER ROTCHFORD L 300 E. MALLARD, SUITE 300 BOISE, ID 83706 | X | X | | |

Signatures

Rotchford L.
Barker

12/31/2004

__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) Common Stock Options represent Options issued upon election to the Board of Directors by Shareholders at each annual meeting.
 - (2) Transaction represents 334 shares of common stock received for Directors Fee.

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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