

BARKER ROTCHFORD L  
 Form 4  
 January 03, 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 \*  
 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) Code V Amount (D) Price			
Common Stock	12/31/2004	12/31/2004	J <sup>(2)</sup>	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 <sup>(1)</sup>	\$ 9.2					05/20/2004	05/20/2014	Common Stock	10,000
Common Stock Option <sup>(1)</sup>	\$ 2.6					05/29/2003	05/29/2013	Common Stock	10,000
Common Stock Option <sup>(1)</sup>	\$ 2.42					05/24/2001	05/24/2011	Common Stock	10,000
Common Stock Option <sup>(1)</sup>	\$ 3.75					05/18/2000	05/18/2010	Common Stock	10,000
Common Stock Option <sup>(1)</sup>	\$ 2.125					05/13/1999	05/13/2009	Common Stock	10,000
Common Stock Option <sup>(1)</sup>	\$ 1.469					05/14/1998	05/14/2008	Common Stock	10,000
Common Stock Option <sup>(1)</sup>	\$ 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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