



DIVISION OF  
CORPORATION FINANCE

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549-7010

Mail Stop 7010

June 30, 2009

**via U.S. mail and facsimile**

Stephen A. Romano, Chief Executive Officer  
American Ecology Corporation  
300 E. Mallard Dr., Suite 300  
Boise, Idaho 83706

**RE: American Ecology Corporation  
Form 10-K for the Fiscal Year Ended December 31, 2008  
Filed February 25, 2009  
Definitive Proxy Statement  
Filed April 1, 2009  
File No. 000-11688**

Dear Mr. Romano:

We have completed our review of your Form 10-K and related filings and have no further comments at this time.

Sincerely,

Terence O'Brien  
Accounting Branch Chief