



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