

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549-3561

September 13, 2010

Mr. Michael L. Jines General Counsel RRI Energy, Inc. 1000 Main Street Houston, Texas 77002

Re: RRI Energy, Inc.

Form 10-K for the Fiscal Year Ended December 31, 2009

Filed February 25, 2010

Form 10-Q for the Fiscal Quarter Ended March 31, 2010

Filed May 6, 2010

Form 10-Q for the Fiscal Quarter Ended June 30, 2010

Filed July 30, 2010 File No. 001-16455

Dear Mr. Jines:

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

Sincerely,

H. Christopher Owings Assistant Director