



DIVISION OF  
CORPORATION FINANCE

UNITED STATES  
**SECURITIES AND EXCHANGE COMMISSION**  
WASHINGTON, D.C. 20549-4631

May 16, 2014

Via E-mail

Ms. Sharon Spurlin  
Chief Financial Officer  
PetroLogistics LP  
600 Travis Street, Suite 3250  
Houston, TX 77002

**Re: PetroLogistics LP**  
**Form 10-K for Fiscal Year Ended December 31, 2013**  
**Filed March 7, 2014**  
**File No. 1-35529**

Dear Ms. Spurlin:

We have completed our review of your filing. We remind you that our comments or changes to disclosure in response to our comments do not foreclose the Commission from taking any action with respect to the company or the filing and the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States. We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/ W. John Cash

W. John Cash  
Branch Chief