



DIVISION OF  
CORPORATION FINANCE

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

December 4, 2015

Mail Stop 4631

Via E-Mail

Mr. Tony R. Thene  
Chief Executive Officer  
Carpenter Technology Corp.  
P.O. Box 14662  
Reading, PA 19610

**Re: Carpenter Technology Corp.  
Form 10-K for Fiscal Year Ended June 30, 2015  
Filed August 25, 2015  
File No. 1-5828**

Dear Mr. Thene:

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  
Office of Manufacturing and  
Construction