



DIVISION OF  
CORPORATION FINANCE  
MAIL STOP 4628

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549-4628

September 2, 2010

Mr. Oscar Gonzalez Rocha  
President and Chief Executive Officer  
Southern Copper Corporation  
11811 North Tatum Blvd. Suite 2500  
Phoenix, Arizona 85028

**Re: Southern Copper Corporation**  
**Form 10-K for the Fiscal Year Ended December 31, 2009**  
**Filed February 26, 2010**  
**Response letter dated May 20, 2010**  
**Response letter dated June 16, 2010**  
**File No. 1-14066**

Dear Mr. Rocha:

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

Sincerely,

H. Roger Schwall  
Assistant Director