



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

DIVISION OF
CORPORATION FINANCE

Mail Stop 3561

June 15, 2018

Via E-mail

Mr. Gregory J. Martin
Chief Financial Officer
SSR Mining Inc.
1055 Dunsmuir Street, Suite 800
PO Box 49088, Bentall Postal Station
Vancouver, BC V7X 1G4
Canada

Re: SSR Mining Inc.
Form 40-F for Fiscal Year Ended December 31, 2016
Filed March 23, 2017
Form 40-F for Fiscal Year Ended December 31, 2017
Filed March 22, 2018
File No. 001-35455

Dear Mr. Martin:

We have completed our review of your filings. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Sincerely,

/s/Craig Arakawa for

Rufus Decker
Accounting Branch Chief
Office of Beverages, Apparel, and
Mining