



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

DIVISION OF
CORPORATION FINANCE

May 25, 2016

Mail Stop 4631

Via E-Mail

Robert P. Capps
Co-Chief Executive Officer and
Chief Financial Officer
Mitcham Industries, Inc.
8141 SH 75 South
P.O. Box 1175
Huntsville, TX 77342

Re: Mitcham Industries, Inc.
Form 10-K for Fiscal Year Ended January 31, 2016
Filed April 7, 2016
File No. 000-25142
Form 10-K for Fiscal Year Ended January 31, 2015
Filed April 8, 2015
File No. 000-25142

Dear Mr. Capps:

We have completed our review of your filings. 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 filings 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 filings to be certain that the filings include the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/ Pamela Long

Pamela Long
Assistant Director
Office of Manufacturing and
Construction