



DIVISION OF
CORPORATION FINANCE

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

August 15, 2017

Charles V. Magro
President and Chief Executive Officer
Agrium Inc.
13131 Lake Fraser Drive S.E.
Calgary, Alberta T2J 7E8 Canada

Re: Agrium Inc.
Form 40-F for the fiscal year ended December 31, 2016
Filed March 2, 2017
File No. 001-14460

Dear Mr. Magro:

We have completed our review of your filing. 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/ Lyn Shenk

Lyn Shenk
Branch Chief
Office of Transportation and Leisure