

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

May 18, 2020

W. Randall FowlerCo-Chief Executive Officer and Chief Financial OfficerEnterprise Products Partners L.P.1100 Louisiana Street, 10th FloorHouston, TX 77002

Re: Enterprise Products Partners L.P. Registration Statement on Form S-3 Filed May 11, 2020 File No. 333-238170

Dear Mr. Fowler:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. 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.

Please contact Anuja A. Majmudar, Attorney-Advisor, at 202-551-3844 with any questions.

Sincerely,

Division of Corporation Finance Office of Energy & Transportation

cc: David Buck