



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549-4631

September 8, 2010

Mr. J. Michael Anderson
Chief Financial Officer
Exterran Holdings, Inc.
16666 Northchase Drive
Houston, TX 77060

RE: Exterran Holdings, Inc.
Form 10-K for the Fiscal Year Ended December 31, 2009
Filed February 25, 2010
Definitive Proxy Statement on Schedule 14A
Filed March 29, 2010
Form 10-Q for the Quarterly Period Ended June 30, 2010
Filed August 5, 2010
File No. 001-33666

Dear Mr. Anderson:

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

Sincerely,

Pamela A. Long
Assistant Director