



DIVISION OF
CORPORATION FINANCE

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

June 23, 2011

Via E-mail

Mr. Stephen M. Scheppmann
Executive Vice President and
Chief Financial Officer
Teradata Corporation
10000 Innovation Drive
Dayton, OH 45342

Re: Teradata Corporation
Form 10-K for the Fiscal Year Ended December 31, 2010
Filed March 1, 2011
Form 8-K Filed April 6, 2011
Form 8-K Filed May 5, 2011
File No. 001-33458

Dear Mr. Scheppmann:

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 includes the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/ Patrick Gilmore

Patrick Gilmore
Accounting Branch Chief