



DIVISION OF
CORPORATION FINANCE

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

April 18, 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
File No. 001-33458**

Dear Mr. Scheppmann:

We have reviewed your filings and have the following comments. In some of our comments, we may ask you to provide us with information so we may better understand your disclosure.

Please respond to this letter within ten business days by amending your filing, by providing the requested information, or by advising us when you will provide the requested response. If you do not believe our comments apply to your facts and circumstances or do not believe an amendment is appropriate, please tell us why in your response.

After reviewing any amendment to your filing and the information you provide in response to these comments, we may have additional comments.

Form 10-K for the Fiscal Year Ended December 31, 2010

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

Results From Operations for the Years Ended December 31, 2010, 2009 and 2008

Income Taxes, page 28

1. Tell us how you considered providing disclosures that explain the impact on your effective income tax rates and obligations of having a significant amount of earnings in countries where you have lower statutory tax rates. In this regard, you should consider

explaining the relationship between the foreign and domestic effective tax rates in greater detail as it appears as though separately discussing the foreign effective income tax rates may be important information necessary to understanding your results of operations. To the extent that certain countries have had a more significant impact on your effective tax rate, then tell us how you considered disclosing this information and including a discussion regarding how potential changes in such countries' operations may impact your results of operations. We refer you to Item 303(a)(3)(i) of Regulation S-K and Section III.B of SEC Release 33-8350.

Item 8. Financial Statements and Supplementary Data

Note 8 – Commitments and Contingencies

2. We note your disclosure regarding the amounts accrued for the outstanding litigation matters. If there is a reasonable possibility that a loss exceeding amounts already recognized may have been incurred and the amount of that additional loss would be material you must either disclose the estimated additional loss, or state that such an estimate cannot be made. Please tell us whether you believe that it is reasonably possible that additional losses would be material and, if so, how your disclosures comply with paragraphs 3 through 5 of ASC 450-20-50 and SAB Topic 5Y.

Form 8-K Filed April 6, 2011

3. You filed a \$300 million term loan agreement as an exhibit to this Form 8-K but we are unable to locate exhibits A-F listed in the table of contents to this exhibit. Please advise.

We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes the information the Securities Exchange Act of 1934 and all applicable Exchange Act rules require. Since the company and its management are in possession of all facts relating to a company's disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

In responding to our comments, please provide a written statement from the company acknowledging that:

- the company is responsible for the adequacy and accuracy of the disclosure in the filing;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to the filing; 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.

Mr. Stephen M. Scheppmann
Teradata Corporation
April 18, 2011
Page 3

You may contact Christine Davis, Assistant Chief Accountant, at (202) 551-3408, if you have questions regarding comments on the financial statements and related matters. If you have any other questions, please contact Ryan Houseal, Staff Attorney, at (202) 551-3105 or Barbara Jacobs, Assistant Director, at (202) 551-3730. If you require further assistance, do not hesitate to contact me at (202) 551-3406.

Sincerely,

/s/ Patrick Gilmore

Patrick Gilmore
Accounting Branch Chief