

August 17, 2007

Mail Stop 4561

Mr. MacAllister Smith
Chief Executive Officer
Pipeline Data Inc.
1515 Hancock Street, Suite 301
Hancock Plaza
Quincy, MA 02169

**Re: Pipeline Data Inc.
Item 4.01 Form 8-K/A
Filed 8/15/07
File No. 0-50611**

Dear Mr. Smith:

We have reviewed your filing and have the following comment. Where indicated, we think you should revise your document in response to this comment. If you disagree, we will consider your explanation as to why our comment is inapplicable or a revision is unnecessary. Please be as detailed as necessary in your explanation. In our comment, we may ask you to provide us with more information so we may better understand your disclosure. After reviewing this information, we may raise additional comments.

Please understand that the purpose of our review process is to assist you in your compliance with the applicable disclosure requirements and to enhance the overall disclosure in your filing. We look forward to working with you in these respects. We welcome any questions you may have about our comments or any other aspect of our review. Feel free to call us at the telephone number listed at the end of this letter.

Form 8-K/A filed August 15, 2007

1. As previously requested, please revise to disclose the date on which J.H. Cohn LLP was engaged. Please also revise the representations made in accordance with paragraph 5 of Item 4.01 to cover the period including the previous two fiscal years through the date that J.H. Cohn was engaged, not the necessarily through the date Drakeford & Drakeford was terminated.

As appropriate, please amend your filing and respond to this comment within five business days or tell us when you will respond. You may wish to provide us with marked copies of the amendment to expedite our review. Please furnish a cover letter with your amendment that keys your responses to our comments and provides any requested information. Detailed cover letters greatly facilitate our review. Please understand that we may have additional comments after reviewing your amendment and response to our comment.

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 all information required under the Securities Exchange Act of 1934 and that they have provided all information investors require for an informed investment decision. 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 connection with responding to our comment, please provide, in writing, a 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.

In addition, please be advised that the Division of Enforcement has access to all information you provide to the staff of the Division of Corporation Finance in our review of your filing or in response to our comments on your filing.

If you have any questions, please call me at (202) 551-3429.

Sincerely,

Kristi Marrone
Staff Accountant

cc: Sheila Corvino (*via facsimile*)