



DIVISION OF
CORPORATION FINANCE

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

November 21, 2011

Via facsimile

Mr. Efrain Rivera

Senior Vice President, Chief Financial Officer and Treasurer

Paychex, Inc.

911 Panorama Trail South

Rochester, NY 14625-2396

Re: Paychex, Inc.
Form 10-K for fiscal year ended May 31, 2011
Filed July 15, 2011
Definitive Proxy Statement on Schedule 14A
Filed August 31, 2011
File No. 0-11330

Dear Mr. Rivera:

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

Sincerely,

/s/ John Cash

John Cash
Branch Chief