



DIVISION OF
CORPORATION FINANCE

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

October 25, 2010

Reed J. Killion
President and Chief Executive Officer
Uni-Pixel, Inc.
8708 Technology Forest Places, Suite 100
The Woodlands, TX 77381

Re: Uni-Pixel, Inc.
Registration Statement on Form S-1
Amended October 12, 2010
File No. 333-169279

Dear Mr. Killion:

We have limited our review of your registration statement to those issues we have addressed in our comment.

Please respond to this letter by amending your registration statement and providing the requested information. If you do not believe our comment applies 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 registration statement and the information you provide in response to this comment, we may have additional comments.

Where you can find more information, page 26

1. We note your response to prior comment 3; however, it is unclear how you concluded that you have not been a registrant for an offering of any securities, including penny stock, during the past three years, given the offering you registered on a Form S-8 that was filed on June 4, 2010. Please revise the registration statement accordingly.

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 Act of 1933 and all applicable Securities 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.

Notwithstanding our comment, in the event you request acceleration of the effective date of the pending registration statement please provide a written statement from the company acknowledging that:

- should the Commission or the staff, acting pursuant to delegated authority, declare the filing effective, it does not foreclose the Commission from taking any action with respect to the filing;
- the action of the Commission or the staff, acting pursuant to delegated authority, in declaring the filing effective, does not relieve the company from its full responsibility for the adequacy and accuracy of the disclosure in the filing; and
- the company may not assert staff comments and the declaration of effectiveness as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States.

Please refer to Rules 460 and 461 regarding requests for acceleration. We will consider a written request for acceleration of the effective date of the registration statement as confirmation of the fact that those requesting acceleration are aware of their respective responsibilities under the Securities Act of 1933 and the Securities Exchange Act of 1934 as they relate to the proposed public offering of the securities specified in the above registration statement. Please allow adequate time for us to review any amendment prior to the requested effective date of the registration statement.

Please contact Gabriel Eckstein at (202) 551-3286 or Mary Beth Breslin, Senior Attorney, at (202) 551-3625 if you have any questions.

Sincerely,

Russell Mancuso
Branch Chief

cc (via fax): Scott D. Chenevert, Esq.
Jones, Walker, Waechter, Poitevent, Carrère & Denègre LLP