



DIVISION OF
CORPORATION FINANCE

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

August 28, 2012

Mark B. Lucky, CFO
IceWEB, Inc.
22900 Shaw Road, Suite 111
Sterling, VA 20166

Re: IceWEB, Inc.
Registration Statement on Form S-1
Filed August 21, 2012
File No. 333-183463

Dear Mr. Lucky:

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. Where 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 our comment, we may have additional comments.

Terms of the Offering with the Selling Security Holders, page 4

1. The disclosure in this section indicates that of the 25,802,312 shares of common stock that underlie warrants which you are registering for resale, 10,738,934 shares underlie warrants issued in your 2011 private offering and 14,801,554 shares underlie warrants issued in your 2012 private offering. Please revise to identify the transaction or transactions in which the warrants for the remaining 261,824 shares were issued.

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 comments, 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 Rule 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.

If you have any questions regarding these comments, please contact Matthew Crispino, Staff Attorney, at (202) 551-3456 or, in his absence, me at (202) 551-3462. Should you require further assistance, you may contact Barbara C. Jacobs, Assistant Director, at (202) 551-3735.

Sincerely,

/s/ Mark P. Shuman

Mark P. Shuman
Branch Chief - Legal