



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549-7010

Stop 7010

August 14, 2006

Via U.S. mail and facsimile

Mr. Rodney M. Boucher
Chief Executive Officer
Microfield Group, Inc.
111 SW Columbia, Suite 480
Portland, OR 97201

**Re: Microfield Group, Inc.
Registration Statement on Form S-1
Filed July 21, 2006
File No. 333-135953**

Dear Mr. Boucher:

We have limited our review of your filing to those issues we have addressed in our comments. Where indicated, we think you should revise your filing in response to these comments. 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 some of our comments, we may ask you to provide us with 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 numbers listed at the end of this letter.

General

1. Please update your financial statements and the related information throughout your prospectus to your second fiscal quarter.

Cover Page of Registration Statement

2. We note that you state that your SIC code number is 4911. It appears from our records that your SIC code number is 1731. Please ensure that all future filings are filed under the correct SIC code number.

Prospectus Summary, page 1

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3. Please describe in greater detail the private placement transaction, including the material terms of the registration rights agreement and the warrants. Please also clarify that the registered shares were issued in the private placement.

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As appropriate, please amend your registration statement in response to these comments. You may wish to provide us with marked copies of the amendment to expedite our review. Please furnish a cover letter that is filed on EDGAR 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 responses to our comments.

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 Act 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.

Notwithstanding our comments, in the event the company requests acceleration of the effective date of its registration statement, it should furnish a letter, at the time of such request, 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.

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- 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.

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 connection with our review of your filing or in response to our comments on your filing.

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 and the Exchange Act as they relate to the proposed public offering of the securities specified in the above registration statement. We will act on the request and, pursuant to delegated authority, grant acceleration of the effective date.

We direct your attention to Rules 460 and 461 regarding requesting acceleration of a registration statement. Please allow adequate time after the filing of any amendment for further review before submitting a request for acceleration. Please provide this request at least two business days in advance of the requested effective date.

Please contact Andrew Schoeffler, Staff Attorney, at (202) 551-3748 or, in his absence, the undersigned at (202) 551-3760 with any questions.

Sincerely,

Pamela A. Long
Assistant Director

cc: Mr. Jeffrey Fessler, Esq.
Sichenzia Ross Friedman Ference LLP
1065 Avenue of the Americas, 21st Floor
New York, NY 10018