

Mail Stop 6010

June 16, 2005

Mr. Robert S. Gregg
Executive Vice President and Chief Executive Officer
FEI Company
5350 NE Dawson Creek Drive
Hillsboro, Oregon 97124-5793

RE: FEI Company
Form 10-K for the fiscal year ended December 31, 2004
Form 8-K dated April 27, 2005
File No. 0-22780

Dear Mr. Gregg:

We have completed our review of your Form 10-K and related filings and do not, at this time, have any further comments.

Sincerely,

Martin F. James
Senior Assistant Chief
Accountant