



DIVISION OF  
CORPORATION FINANCE  
Mail Stop 3030

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

April 6, 2010

Robin Risser  
Advanced Photonix, Inc.  
2925 Boardwalk  
Ann Arbor, MI 48104

**Re:   Advanced Photonix, Inc.**  
**Form 10-K for the fiscal year ended March 31, 2009**  
**Filed June 29, 2009**  
**File No. 1-11056**

Dear Mr. Risser:

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

Sincerely,

Brian Cascio  
Accounting Branch Chief