



DIVISION OF  
CORPORATION FINANCE

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549-0404

February 3, 2010

Mail Stop 4631

Via U.S. mail and facsimile

Mr. James C. Katzaroff, President  
Advanced Medical Isotope Corporation  
8131 W. Grandridge Blvd., Suite 101  
Kennewick, WA 99336

**Re: Advanced Medical Isotope Corporation  
Registration Statement on Form 10, as amended  
File No.: 0-53497**

Dear Mr. Katzaroff:

We have completed our review of your Registration Statement on Form 10, as amended and related filings and have no further comments at this time.

You may contact Dorine H. Miller, Financial Analyst, at (202) 551-3711 or, in her absence, contact me at (202) 551-3397, if you have any questions.

Sincerely,

Pamela A. Long  
Assistant Director