

May 8, 2009

Via U.S. Mail and Facsimile

Derrick R. Meyer  
President and Chief Executive Officer  
Advanced Micro Devices, Inc.  
One AMD Place  
Sunnyvale, California 94088

**Re:   Advanced Micro Devices, Inc.  
      Form 10-K for the Fiscal Year Ended December 27, 2008  
      Filed February 24, 2009  
      Form 8-K, Filed October 23, 2008  
      File No. 0-52105**

Dear Mr. Meyer:

We have limited our review of your filings to disclosure relating to your contacts with countries that have been identified as state sponsors of terrorism, and we have the following comment. Our review with respect to this issue does not preclude further review by the Assistant Director group with respect to other issues. At this juncture, we are asking you to provide us with supplemental information, so that we may better understand your disclosure. Please be as detailed as necessary in your response. 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 filings. We look forward to working with you in these respects. We welcome any questions you may have about our comment or on any other aspect of our review. Feel free to call us at the telephone numbers listed at the end of this letter.

General

1. It appears from exhibit 21 to your Form 10-K, exhibit 99.1 to your Form 8-K, and the "AMD Worldwide" section of your website that you have operations in the Middle East and Africa, which are regions that include Iran, Syria, and Sudan. In addition, we are aware of a December 2007 news report that your processors have been used to build Iran's most powerful supercomputer. Iran, Syria, and Sudan are identified by the State Department as state sponsors of terrorism, and are subject to U.S. economic sanctions and export controls. We note that your Form 10-K does not include disclosure regarding contacts with Iran, Syria, or Sudan. Please describe to us the nature and extent of any past, current, and anticipated contacts with the referenced countries, whether through joint ventures, distributors, resellers, or other direct or indirect arrangements. Your response should describe any products or technology you have provided to the referenced

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countries, directly or indirectly, and any agreements, commercial arrangements, or other contacts you have had with the governments of those countries or entities controlled by those governments.

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Please respond to this comment within 10 business days or tell us when you will provide us with a response. Please submit your response letter on EDGAR.

We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filings include all information required under the Exchange Act of 1934 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 the company's disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

In connection with responding to our comments, please provide, in writing, a statement from the company acknowledging that:

- the company is responsible for the adequacy and accuracy of the disclosure in the filings;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to the filings; and
- the company may not assert staff comments 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 our review of your filings or in response to our comments on your filings.

Please understand that we may have additional comments after we review your response to our comment. Please contact Pradip Bhaumik, Special Counsel, at (202) 551-3333 if you have any questions about the comment or our review. You may also contact me at (202) 551-3470.

Sincerely,

Cecilia Blye, Chief  
Office of Global Security Risk

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cc: Tad J. Freese, Esq.  
Latham & Watkins LLP  
Fax: (650) 463-2600

Peggy Fisher  
Assistant Director  
Division of Corporation Finance