



DIVISION OF
CORPORATION FINANCE
Mail Stop 7010

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

February 26, 2008

Mr. John Barpoulis
Senior Vice President and Chief Financial Officer
2 Democracy Center
6903 Rockledge Drive
Bethesda, MD 20817

Re: USEC, Inc.
Form 10-K for the Fiscal Year Ended December 31, 2006
Filed February 27, 2007
Schedule 14A
Filed March 22, 2007
Response Letter dated February 8, 2008
File No. 1-14287

Dear Mr. Barpoulis:

We have reviewed your Form 10-K and Schedule 14A and have the following comments. We have limited our review of your filings to those issues we have addressed in our comments. Where indicated, we think you should revise your document 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.

Schedule 14A

Filed March 22, 2007

1. Please confirm in writing that you will comply with the following comment in all future filings. Provide us also with an example of the disclosure you intend to use. Please understand that after our review of your response, we may raise additional comments.

Elements of Executive Compensation

Total Direct Compensation

Base Salary, page 23

2. We note your response to our prior comment 3. Expand your disclosure to separately discuss for each target why it will be difficult for the executives to achieve it.

Closing Comments

As appropriate, please amend your filing and respond to these comments within 10 business days or tell us when you will provide us with a response. You may wish to provide us with marked copies of the amendment to expedite our review. Please furnish a cover letter 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 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 a 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 filing;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to the filing; 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 filing or in response to our comments on your filing.

Please contact Donna Levy at (202) 551-3292 or me at (202) 551-3611 with any other questions.

Sincerely,

Anne Nguyen Parker
Branch Chief