

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

SCHEDULE 13G/A  
Under the Securities Exchange Act of 1934  
Amendment No. 1\*

USEC, Inc.  
(Name of Issuer)

Common  
(Title of Class of Securities)

90333E108  
(CUSIP Number)

January 4, 2010  
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to  
which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a  
reporting person's initial filing on this form with respect to  
the subject class of securities, and for any subsequent  
amendment containing information which would alter the  
disclosures provided in a prior cover page.

The information required in the remainder of this cover page  
shall not be deemed to be "filed" for the purpose of Section 18  
of the Securities Exchange Act of 1934 ("Act") or otherwise  
subject to the liabilities of that section of the Act but shall  
be subject to all other provisions of the Act (however, see the  
Notes).

CUSIP No. 90333E108

1. Names of Reporting Persons.  
I.R.S. Identification Nos. of above persons (entities  
only).

Donald Smith & Co., Inc.  
13-2807845

2. Check the Appropriate Box if a Member of a Group (See  
Instructions)

- (a)
- (b)

3. SEC Use Only  
.....

4. Citizenship or Place of Organization  
A Delaware Corporation

Number of	5. Sole Voting Power	8,563,062 shares
Shares		
Beneficially	6. Shared Voting Power	0
Owned by		
Each Reporting	7. Sole Dispositive Power	11,268,350 shares
Person With		
	8. Shared Dispositive Power	0

9. Aggregate Amount Beneficially Owned by Each Reporting Person

11,268,350 shares

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11. Percent of Class Represented by Amount in Row (9) 10.01%

12. Type of Reporting Person (See Instructions) IA

1. Names of Reporting Persons.

I.R.S. Identification Nos. of above persons (entities only).

Richard Greenberg

2. Check the Appropriate Box if a Member of a Group (See Instructions)

- (a)
(b) [X]

3. SEC Use Only

4. Citizenship or Place of Organization
United States of America

Number of Shares Beneficially Owned by Each Reporting Person With
5. Sole Voting Power 10,000 shares
6. Shared Voting Power 0
7. Sole Dispositive Power 11,268,350 shares
8. Shared Dispositive Power 0

9. Aggregate Amount Beneficially Owned by Each Reporting Person
11,268,350 shares

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11. Percent of Class Represented by Amount in Row (9) 10.01%

12. Type of Reporting Person (See Instructions) IN

1. Names of Reporting Persons.

I.R.S. Identification Nos. of above persons (entities only).

Donald Smith Long/Short Equities Fund, L.P.
27-1481102

2. Check the Appropriate Box if a Member of a Group (See Instructions)

- (a)
(b) [X]

3. SEC Use Only

4. Citizenship or Place of Organization
A Delaware Corporation

Number of Shares Beneficially Owned by
5. Sole Voting Power 36,750 shares
6. Shared Voting Power 0

Each Reporting Person With  
7. Sole Dispositive Power 11,268,350 shares  
8. Shared Dispositive Power 0

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
11,268,350 shares

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11. Percent of Class Represented by Amount in Row (9) 10.01%

12. Type of Reporting Person (See Instructions) PN

Item 1.

(a) Name of Issuer: USEC, Inc.  
(b) Address of Issuer's Principal Executive Offices  
2 Democracy Center  
6903 Rockledge Drive  
Bethesda, MD 20817  
Item 2.

(a) Name of Person Filing: Donald Smith & Co., Inc.  
(b) Address of Principal Business Office:  
152 West 57th Street  
New York, NY 10019  
(c) Citizenship: A Delaware Corporation  
(d) Title of Class of Securities: Common  
(e) CUSIP Number: 90333E108

Item 3. This statement is filed pursuant to Section 240.13d-1(b), and the person filing is an investment advisor registered in accordance with Section 240.13d-1(b)(1)(ii)(E);

Item 4. Ownership.  
Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount beneficially owned: SEE ITEM 9 OF COVER PAGE  
(b) Percent of class: SEE ITEM 11 OF COVER PAGE  
(c) Number of shares as to which the person has:  
(i) SOLE POWER TO VOTE: 8,609,812  
(ii) SHARED POWER TO VOTE: 0  
(iii) SOLE POWER TO DISPOSE: 11,268,350  
(iv) SHARED POWER TO DISPOSE: 0

Item 5. Ownership of Five Percent or Less is NOT APPLICABLE

Item 6. Ownership of More than Five Percent on Behalf of Another Person:  
1. Donald Smith & Co., Inc. does not serve as custodian of the assets of any of its clients; accordingly, in each instance only the client or the client's custodian or trustee bank has the right to receive dividends paid with respect to, and proceeds from the sale of, such securities.

The ultimate power to direct the receipt of dividends paid with respect to, and the proceeds from the sale of, such securities, is vested in the institutional clients which Donald Smith & Co., Inc. serves as investment advisor. Any and all discretionary authority which has been delegated to Donald Smith &

Co., Inc. may be revoked in whole or in part at any time.

To the knowledge of Donald Smith & Co., Inc., with respect to all securities reported in this schedule owned by advisory clients of Donald Smith & Co., Inc., not more than 5% of the class of such securities is owned by any one client.

2. With respect to the remaining securities owned, various persons have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the Common Stock of USEC Inc. No one person's interest in the Common Stock of USEC Inc. is more than five percent of the total outstanding Common Stock.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company  
NOT APPLICABLE

Item 8. Identification and Classification of Members of the Group  
SEE EXHIBIT A

Item 9. Notice of Dissolution of Group  
NOT APPLICABLE

Item 10. Certification

(a)

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

January 5, 2010  
Date

Donald G. Smith \_\_\_\_\_  
Signature

President \_\_\_\_\_  
Title

SCHEDULE 13G - TO BE INCLUDED IN STATEMENTS  
FILED PURSUANT TO RULE 13d-1(b) or 13d-2(b)  
RULE 13d-1(f)(1) EXHIBIT A:

Donald Smith & Co., Inc. IA  
Richard L. Greenberg IN  
Donald Smith Long/Short Equities Fund, L.P. PN

SCHEDULE 13G - TO BE INCLUDED IN STATEMENTS  
FILED PURSUANT TO RULE 13d-1(b) or 13d-2(b)  
RULE 13d-1(f)(1) AGREEMENT

The undersigned persons, on January 5, 2010, agree and consent to the joint filing on their behalf of this

Schedule 13G in connection with their beneficial ownership  
of the Common Stock of USEC Inc. at January 4, 2010.

Donald Smith & Co., Inc.

By /s/ Donald G. Smith  
Donald G. Smith  
President  
Duly authorized by and on behalf of Donald Smith & Co., Inc.

Richard L. Greenberg

By /s/ Donald G. Smith  
Donald G. Smith  
President  
Duly authorized by and on behalf of Richard Greenberg

Donald Smith Long/Short Equities Fund, L.P.

By /s/ Donald G. Smith  
Donald G. Smith  
President  
Duly authorized by and on behalf of  
Donald Smith Long/Short Equities Fund, L.P.