

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

SCHEDULE 13G
Under the Securities Exchange Act of 1934
(Amendment No. _____)*

USEC, Inc.
(Name of Issuer)

Common
(Title of Class of Securities)

90333E108
(CUSIP Number)

December 31, 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	4,361,719 shares
Shares		
Beneficially	6. Shared Voting Power	0
Owned by		
Each Reporting	7. Sole Dispositive Power	4,926,344 shares
Person With		
	8. Shared Dispositive Power	0

9. Aggregate Amount Beneficially Owned by Each Reporting Person

4,926,344 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) 4.30%

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 5. Sole Voting Power 10,000 shares

Beneficially Owned by 6. Shared Voting Power 0

Each Reporting Person With 7. Sole Dispositive Power 4,926,344 shares

8. Shared Dispositive Power 0

9. Aggregate Amount Beneficially Owned by Each Reporting Person
4,926,344 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) 4.30%

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 5. Sole Voting Power 17,344 shares

Beneficially Owned by 6. Shared Voting Power 0

Each Reporting Person With 7. Sole Dispositive Power 4,926,344 shares

Person With

8. Shared Dispositive Power 0

9. Aggregate Amount Beneficially Owned by Each Reporting Person
4,926,344 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) 4.30%

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: 4,926,344

(b) Percent of class: 4.30%

(c) Number of shares as to which the person has:

(i) SOLE POWER TO VOTE: 4,389,063

(ii) SHARED POWER TO VOTE: 0

(iii) SOLE POWER TO DISPOSE: 4,926,344

(iv) SHARED POWER TO DISPOSE: 0

Item 5. Ownership of Five Percent or Less is

If this statement is being filed to report the fact that as of
the date hereof the reporting persons have ceased to be the
beneficial owner of more than five percent of the class of
securities, check the following [XX].

Item 6. Ownership of More than Five Percent on Behalf of Another Person:
NOT APPLICABLE

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.

February 11, 2011

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 February 11, 2011,
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 December 31, 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.