

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

SCHEDULE 13G
(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT
TO RULES 13d-1(b) (c), AND (d) AND AMENDMENTS THERETO FILED
PURSUANT TO RULE 13d-2 (b)

(Amendment No. 2)

USEC Inc.

(Name of Issuer)

Common Stock, par value \$0.10

(Title of Class of Securities)

9033E108

(CUSIP Number)

December 31, 2004

(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 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 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. 9033E108

1. NAME OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

Peninsula Investment Partners, L.P. (f/k/a Peninsula Partners, L.P.)
2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a)
(b)
3. SEC USE ONLY
4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

2,500,000

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

2,500,000

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,500,000

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

2.95%

12. TYPE OF REPORTING PERSON

PN

CUSIP No. 9033E108

1. NAME OF REPORTING PERSONS

I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

Peninsula Capital Advisors, LLC

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a)

(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

2,500,000

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

2,500,000

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,500,000

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

2.95%

12. TYPE OF REPORTING PERSON

OO

CUSIP No. 9033E108

Item 1(a). Name of Issuer:

USEC Inc.

Item 1(b). Address of Issuer's Principal Executive Offices:

2 Democracy Center
6903 Rockledge Drive
Bethesda, MD 20817

Item 2(a). Name of Persons Filing:

Peninsula Investment Partners, L.P.
Peninsula Capital Advisors, LLC

Item 2(b). Address of Principal Business Office, or if None, Residence:

404 B East Main Street
Charlottesville, VA 22902

Item 2(c). Citizenship:

Peninsula Investment Partners, L.P. - Delaware limited partnership
Peninsula Capital Advisors, LLC - Delaware limited liability company

Item 2(d). Title of Class of Securities:

Common Stock, par value \$0.10

Item 2(e). CUSIP Number:

9033E108

Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:

- (a) Broker or dealer registered under Section 15 of the Exchange Act.
- (b) Bank as defined in Section 3(a)(6) of the Exchange Act.
- (c) Insurance company as defined in Section 3(a)(19) of the Exchange Act.
- (d) Investment company registered under Section 8 of the Investment Company Act.
- (e) An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h) A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (i) A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
- (j) Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

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.

Peninsula Investment Partners, L.P.:

(a) Amount beneficially owned:

2,500,000 shares

(b) Percent of class:

2.95%

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

(i) Sole power to vote or to direct the vote	0	-----,
(ii) Shared power to vote or to direct the vote	2,500,000	-----,
(iii) Sole power to dispose or to direct the disposition of	0	-----,

(iv) Shared power to dispose or to direct the disposition of 2,500,000 -----.

Peninsula Capital Advisors, LLC:

(a) Amount beneficially owned:

2,500,000 shares -----

(b) Percent of class:

2.95% -----

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

(i) Sole power to vote or to direct the vote 0 -----,

(ii) Shared power to vote or to direct the vote 2,500,000 -----,

(iii) Sole power to dispose or to direct the disposition of 0 -----,

(iv) Shared power to dispose or to direct the disposition of 2,500,000 -----.

Item 5. Ownership of Five Percent or Less of a Class.

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

Item 6. Ownership of More Than Five Percent on Behalf of Another Person.

If any other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, such securities, a statement to that effect should be included in response to this item and, if such interest relates to more than five percent of the class, such person should be identified. A listing of the shareholders of an investment company registered under the Investment Company Act of 1940 or the beneficiaries of employee benefit plan, pension fund or endowment fund is not required.

N/A -----

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

If a parent holding company or Control person has filed this schedule, pursuant to Rule 13d-1(b)(1)(ii)(G), so indicate under Item 3(g) and attach an exhibit stating the identity and the Item 3 classification of the relevant subsidiary. If a parent holding company or control person has filed this schedule pursuant to Rule 13d-1(c) or Rule 13d-1(d), attach an exhibit stating the identification of the relevant subsidiary.

N/A -----

Item 8. Identification and Classification of Members of the Group.

If a group has filed this schedule pursuant to ss.240.13d-1(b)(1)(ii)(J), so indicate under Item 3(j) and attach an exhibit stating the identity and Item 3 classification of each member of the group. If a group has filed this schedule pursuant to ss.240.13d-1(c) or ss.240.13d-1(d), attach an exhibit stating the identity of each member of the group.

N/A

Item 9. Notice of Dissolution of Group.

Notice of dissolution of a group may be furnished as an exhibit stating the date of the dissolution and that all further filings with respect to transactions in the security reported on will be filed, if required, by members of the group, in their individual capacity. See Item 5.

N/A

Item 10. Certification pursuant to Rule 13d-1(c):

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above 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 such 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 14, 2005

(Date)

PENINSULA INVESTMENT PARTNERS, L.P.

By: Peninsula Capital Appreciation, LLC*
General Partner

By: /s/ R. Ted Weschler

R. Ted Weschler
Managing Member

PENINSULA CAPITAL ADVISORS, LLC*

By: /s/ R. Ted Weschler

R. Ted Weschler
Managing Member

* The Reporting Persons disclaim beneficial ownership of the shares reported herein except to the extent of their pecuniary interest.

Note. Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties

for whom copies are to be sent.

Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

Exhibit A

AGREEMENT

The undersigned agree that this Schedule 13G Amendment No. 2 dated February 14, 2005 relating to the Common Stock par value \$0.10 of USEC Inc. shall be filed on behalf of the undersigned.

PENINSULA INVESTMENT PARTNERS, L.P.

By: Peninsula Capital Appreciation, LLC
General Partner

By: /s/ R. Ted Weschler

R. Ted Weschler
Managing Member

PENINSULA CAPITAL ADVISORS, LLC

By: /s/ R. Ted Weschler

R. Ted Weschler
Managing Member

February 14, 2005

Date

03038.0001 #547186