FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

| OMB APPROVAL             |           |  |  |  |  |  |  |  |
|--------------------------|-----------|--|--|--|--|--|--|--|
| OMB Number:              | 3235-0287 |  |  |  |  |  |  |  |
| Estimated average burden |           |  |  |  |  |  |  |  |
| hours por rosponso:      | 0.5       |  |  |  |  |  |  |  |

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| 1. Name at NEUM (Last) 6903 RC (Street) BETHES                                   | 3. Dat 03/00  | 2. Issuer Name and Ticker or Trading Symbol USEC INC [USU]  3. Date of Earliest Transaction (Month/Day/Year) 03/08/2010  4. If Amendment, Date of Original Filed (Month/Day/Year) |         |                  |   |             |   |     |   |               | Relationship of Reporting Person(s) to Issuer Check all applicable)  Director 10% Owner X Officer (give title below) below)  VP, Government Relations  Individual or Joint/Group Filing (Check Applicabline)  X Form filed by One Reporting Person Form filed by More than One Reporting Person |          |   |                        |  |  |               |  |   |
|--|---|---|---------|------------------|---|-------------|---|-----|---|---------------|---|----------|---|------------------------|--|--|---------------|--|---|
| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |   |   |         |                  |   |             |   |     |   |               |   |          |   |                        |  |  |               |  |   |
| 1. Title of Security (Instr. 3)  2. Transact Date (Month/Day                     |   |   |         |                  |   | Exe<br>if a | a. Deemed<br>ecution Date,<br>any<br>onth/Day/Year) |     | 3.<br>Transaction<br>Code (Instr.<br>8) |               | 4. Securities Acquired (Disposed Of (D) (Instr. and 5)  |          |   |                        | Securii<br>Benefi<br>Owned                             | ties<br>cially   | Forn<br>(D) c | n: Direct<br>or<br>rect (I)  | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership |
|  |   |   |         |                  |   |             |   |     | Code                                    | v             | Amoun   | mount (A |   | Price                  |  |  |               | tr. 4)   | (Instr. 4)  |
| Common Stock 03/08/2   |   |   |         |                  |   | 010         |   |     | A                                       |               | 35,14   | 43       | Α   | \$0                    | 10   | 104,600  |               | D  |   |
| Common Stock 03/08/2   |   |   |         |                  | 2010                                    |             |   | F   |   | 1,022         |   | D        | \$5.1   | 8 103                  | 3,578(1)   |  | D             |  |   |
|  |   | T   | able II |                  |   |             |   |     | uired, Di                               |               |   |          |   |                        | Owned  |  |               |  |   |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)                              | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year)  | if any  | emed<br>on Date, | 4.<br>Transaction<br>Code (Instr.<br>8) |             | 5. Number of  |     | 6. Date Exe<br>Expiration<br>(Month/Day | rcisa<br>Date | Amount of   |          | e and<br>nt of<br>ities<br>lying<br>ative<br>ity (Ins |                        | 8. Price<br>of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number<br>derivative<br>Securities<br>Beneficiall<br>Owned<br>Following<br>Reported<br>Transactio<br>(Instr. 4) | у             | Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr.<br>4) | Beneficial<br>Ownership                             |
|  |   |   |         |                  |   | v           | (A)   | (D) | Date<br>Exercisable                     |               | xpiration<br>ate  | Title    | or<br>Nu<br>of  | nount<br>imber<br>ares |  |  |               |  |   |
| Stock<br>Option<br>(Right to<br>Buy)   | \$5.18  | 03/08/2010  |         |                  | A                                       |             | 15,747  |     | (2)                                     | 03            | 3/08/2015   | Comm     |   | 5,747                  | \$0  | 15,747   |               | D  |   |

## Explanation of Responses:

- 1. Includes 52,865 restricted shares issued pursuant to the Company's equity incentive plan.
- 2. The option vests in 3 equal annual installments beginning on March 8, 2011.

## Remarks:

Kerri R. Morey, Attorney-In-Fact 03/10/2010

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.