

Essiger Erik  
Form 4  
August 17, 2010

**FORM 4**

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

OMB APPROVAL

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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 OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Essiger Erik

(Last) (First) (Middle)  
WAMPFLENSTRASSE 66  
(Street)  
MEILEN, V8 CH-8706  
(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
URANIUM ENERGY CORP [UEC]

3. Date of Earliest Transaction  
(Month/Day/Year)  
08/13/2010

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 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. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |     |       |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|-----|-------|
|                                 |                                      |  |                                | (A) or (D)  | Code  | V  | Amount                            | (D) | Price |

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

**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 control number.**

SEC 1474  
(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) |
|--|------------------------------------|--------------------------------------|--|--------------------------------|---|--|---|
|--|------------------------------------|--------------------------------------|--|--------------------------------|---|--|---|

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| Derivative Security |         |            | or Disposed of (D) (Instr. 3, 4, and 5) |   |     | Date Exercisable | Expiration Date | Title        | Amount or Number of Shares |
|---------------------|---------|------------|---|---|-----|------------------|-----------------|--------------|----------------------------|
|                     |         |            | Code                                    | V | (A) |                  |                 |              |                            |
| Options to Purchase | \$ 2.43 | 08/13/2010 | A <sup>(1)</sup>                        |   |     | 08/13/2010       | 08/13/2020      | Common stock | 67,500                     |

## Reporting Owners

| Reporting Owner Name / Address                           | Relationships |           |         |       |
|--|---------------|-----------|---------|-------|
|  | Director      | 10% Owner | Officer | Other |
| Essiger Erik<br>WAMPFLENSTRASSE 66<br>MEILEN, V8 CH-8706 |               | X         |         |       |

## Signatures

/s/ Erik Essiger                      08/16/2010  
 \_\_Signature of                      Date  
 Reporting Person

## Explanation of Responses:

- \* 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).
- (1) Granted pursuant to an in accordance with the Company's stock option plan.  
 In addition to the options to purchase 67,500 shares as disclosed above, the Reporting Person also holds options to purchase 75,000 shares
- (2) at an exercise price of \$2.40 expiring on August 26, 2019, 50,000 shares at an exercise price of \$0.45 per share expiring on April 7, 2018 and 100,000 shares at an exercise price of \$0.45 per share expiring on October 10, 2016.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.