

# **Fission Hits 15.25m Total Composite “Off-Scale” (Line 690E); two More Zones Connect**

March 17, 2014 (Source: Marketwired) – **FISSION URANIUM CORP.** (“**Fission**” or “**the Company**”) (TSX VENTURE:FCU)(OTCQX:FCUUF)(FRANKFURT:2FU) is pleased to announce results from eight new holes at its PLS property in Saskatchewan’s Athabasca Basin. Of key importance is the intersection of mineralization in hole PLS14-177 on line 525E. **This has closed the gap between the R390E and R585E high-grade zones to create one much larger zone, now referred to as the R390E zone.** This success is an important milestone towards meeting a key objective of the Winter 2014 program: to prove, through drilling, that the zones identified along the 1.78km strike length are connected. It follows the merging of zones R780E and R945E earlier this month (see NR dated March 5, 2014).

Five of the holes returned considerable off-scale (>9999 cps) mineralization. Of particular note is hole PLS14-171 (line 690), which intersected 15.25m of total composite off-scale (>9999 cps) mineralization in 97.5m total composite mineralization at shallow depth.

## **Drilling Highlights include:**

Hole PLS14-171 (line 690E)

- **97.5m** total composite mineralization (between 60.0m – 226.0m) including:
  - **15.25m** total composite off-scale (>9999 cps) radioactivity

Hole PLS14-172 (line 825E)

- **106.0m** total composite mineralization (between 82.5m – 324.5m) including:
  - **7.14m** total composite off-scale (>9999 cps) radioactivity

Hole PLS14-170 (line 915E)

- **131.5m** total composite mineralization (between 82.5m – 304.0m) including:
  - **5.85m** total composite off-scale (>9999 cps) radioactivity

Ross McElroy, President, COO, and Chief Geologist for Fission, commented,

*“Fission has now turned five shallow depth, high-grade zones into three much larger zones. This represents tremendous progression towards our goal of proving the discovery is actually a large connected zone of mineralization.”*

| Hole ID   | Zone  | Collar    |     |     | * Hand-held Scintillometer Results On Mineralized Drillcore (>300 cps / >0.5M minimum) |        |           |                | Sandstone From – To (m) | Basement Unconformity Depth (m) | Total Drillhole Depth (m) |
|-----------|-------|-----------|-----|-----|--|--------|-----------|----------------|-------------------------|---------------------------------|---------------------------|
|           |       | Grid Line | Az  | Dip | From (m)   | To (m) | Width (m) | CPS Peak Range |                         |                                 |                           |
| PLS14-169 | R390E | 285E      | 286 | -90 | 84.0   | 84.5   | 0.5       | 510            | NA                      | 50.0                            | 327.5                     |
|           |       |           |     |     | 120.0  | 121.0  | 1.0       | 340 – 610      |                         |                                 |                           |
|           |       |           |     |     | 123.5  | 125.0  | 1.5       | 330 – 510      |                         |                                 |                           |
|           |       |           |     |     | 135.0  | 140.0  | 5.0       | <300 – 510     |                         |                                 |                           |
|           |       |           |     |     | 144.5  | 157.0  | 12.5      | <300 – 3600    |                         |                                 |                           |
|           |       |           |     |     | 159.5  | 178.5  | 19.0      | <300 – 5100    |                         |                                 |                           |
|           |       |           |     |     | 184.5  | 185.0  | 0.5       | 360            |                         |                                 |                           |
|           |       |           |     |     | 191.5  | 192.0  | 0.5       | 380            |                         |                                 |                           |

|             |       |      |     |       |       |       |      |                    |    |      |       |
|-------------|-------|------|-----|-------|-------|-------|------|--------------------|----|------|-------|
|             |       |      |     |       | 205.5 | 206.5 | 1.0  | 420 –<br>450       |    |      |       |
| PLS14 - 170 | R780E | 915E | 100 | -84   | 82.5  | 83.0  | 0.5  | 350                | NA | 62.2 | 347.0 |
|             |       |      |     |       | 107.0 | 110.0 | 3.0  | <300<br>– 560      |    |      |       |
|             |       |      |     |       | 117.5 | 118.0 | 0.5  | 450                |    |      |       |
|             |       |      |     |       | 134.5 | 193.5 | 59.0 | <300<br>–<br>>9999 |    |      |       |
|             |       |      |     |       | 201.0 | 238.5 | 37.5 | <300<br>–<br>>9999 |    |      |       |
|             |       |      |     |       | 251.0 | 256.0 | 5.0  | <300<br>–<br>7800  |    |      |       |
|             |       |      |     |       | 259.0 | 271.0 | 12.0 | <300<br>–<br>8500  |    |      |       |
|             |       |      |     |       | 274.0 | 281.5 | 7.5  | <300<br>–<br>1000  |    |      |       |
|             |       |      |     |       | 292.0 | 294.5 | 2.5  | <300<br>– 420      |    |      |       |
|             |       |      |     |       | 300.0 | 304.0 | 4.0  | <300<br>– 670      |    |      |       |
| PLS14 - 171 | R780E | 690E | 100 | -86.9 | 60.0  | 94.5  | 34.5 | <300<br>–<br>>9999 | NA | 59.9 | 323.0 |
|             |       |      |     |       | 97.5  | 99.5  | 2.0  | <300<br>– 330      |    |      |       |
|             |       |      |     |       | 104.0 | 153.5 | 49.5 | <300<br>–<br>>9999 |    |      |       |
|             |       |      |     |       | 156.5 | 158.5 | 2.0  | 460 –<br>1800      |    |      |       |
|             |       |      |     |       | 189.5 | 190.0 | 0.5  | 740                |    |      |       |
|             |       |      |     |       | 210.0 | 218.0 | 8.0  | <300<br>–<br>1200  |    |      |       |
|             |       |      |     |       | 222.0 | 222.5 | 0.5  | 380                |    |      |       |
|             |       |      |     |       | 225.5 | 226.0 | 0.5  | 430                |    |      |       |
| PLS14 - 172 | R780E | 825E | 328 | -83.5 | 82.5  | 114.0 | 31.5 | <300<br>–<br>>9999 | NA | 56.6 | 332.0 |
|             |       |      |     |       | 116.5 | 117.0 | 0.5  | 340                |    |      |       |

|             |       |      |     |       |       |       |      |                    |    |      |       |
|-------------|-------|------|-----|-------|-------|-------|------|--------------------|----|------|-------|
|             |       |      |     |       | 119.5 | 143.0 | 23.5 | <300<br>–<br>9700  |    |      |       |
|             |       |      |     |       | 145.5 | 149.5 | 4.0  | 310 –<br>4100      |    |      |       |
|             |       |      |     |       | 152.0 | 156.5 | 4.5  | <300<br>– 420      |    |      |       |
|             |       |      |     |       | 159.0 | 160.0 | 1.0  | 310                |    |      |       |
|             |       |      |     |       | 163.5 | 165.0 | 1.5  | 310 –<br>550       |    |      |       |
|             |       |      |     |       | 167.5 | 190.5 | 23.0 | <300<br>–<br>>9999 |    |      |       |
|             |       |      |     |       | 199.0 | 200.0 | 1.0  | 500 –<br>>9999     |    |      |       |
|             |       |      |     |       | 209.0 | 209.5 | 0.5  | 300                |    |      |       |
|             |       |      |     |       | 224.0 | 238.5 | 14.5 | <300<br>–<br>>9999 |    |      |       |
|             |       |      |     |       | 324.0 | 324.5 | 0.5  | 410                |    |      |       |
| PLS14 - 173 | R390E | 255E | 001 | -86.8 | 72.5  | 73.0  | 0.5  | 360                | NA | 54.5 | 257.0 |
|             |       |      |     |       | 150.5 | 151.0 | 0.5  | 360                |    |      |       |
| PLS14 - 174 | R780E | 690E | 300 | -85.9 | 83.5  | 86.5  | 3.0  | <300<br>–<br>2300  | NA | 56.0 | 290.0 |
|             |       |      |     |       | 90.5  | 91.5  | 1.0  | 310 –<br>410       |    |      |       |
|             |       |      |     |       | 96.0  | 104.5 | 8.5  | <300<br>– 850      |    |      |       |
|             |       |      |     |       | 107.0 | 130.0 | 23.0 | <300<br>–<br>>9999 |    |      |       |
|             |       |      |     |       | 135.0 | 175.0 | 40.0 | <300<br>–<br>>9999 |    |      |       |
| PLS14 - 175 | R780E | 870E | 329 | -87.4 | 84.0  | 84.5  | 0.5  | 480                | NA | 60.0 | 407.0 |
|             |       |      |     |       | 87.0  | 88.0  | 1.0  | 510 –<br>660       |    |      |       |
|             |       |      |     |       | 100.5 | 105.5 | 5.0  | <300<br>– 510      |    |      |       |
|             |       |      |     |       | 120.0 | 180.5 | 60.5 | <300<br>–<br>>9999 |    |      |       |
|             |       |      |     |       | 183.5 | 185.5 | 2.0  | 760 –<br>>9999     |    |      |       |

|           |       |      |     |       |       |       |      |                   |                |      |       |
|-----------|-------|------|-----|-------|-------|-------|------|-------------------|----------------|------|-------|
|           |       |      |     |       | 192.0 | 197.0 | 5.0  | <300<br>–<br>5200 |                |      |       |
|           |       |      |     |       | 212.5 | 213.0 | 0.5  | 2000              |                |      |       |
|           |       |      |     |       | 222.0 | 225.5 | 3.5  | <300<br>–<br>1300 |                |      |       |
|           |       |      |     |       | 229.0 | 230.5 | 1.5  | 360 –<br>1100     |                |      |       |
|           |       |      |     |       | 236.5 | 242.0 | 5.5  | <300<br>–<br>4300 |                |      |       |
|           |       |      |     |       | 282.5 | 288.5 | 6.0  | <300<br>–<br>1600 |                |      |       |
|           |       |      |     |       | 291.0 | 292.0 | 1.0  | 540 –<br>580      |                |      |       |
|           |       |      |     |       | 295.5 | 296.0 | 0.5  | 400               |                |      |       |
|           |       |      |     |       | 300.0 | 300.5 | 0.5  | 840               |                |      |       |
|           |       |      |     |       | 303.5 | 304.0 | 0.5  | 410               |                |      |       |
|           |       |      |     |       | 324.0 | 324.5 | 0.5  | 1100              |                |      |       |
|           |       |      |     |       | 335.5 | 337.0 | 1.5  | <300<br>– 640     |                |      |       |
|           |       |      |     |       | 373.5 | 374.0 | 0.5  | 780               |                |      |       |
| PLS14-177 | R585E | 525E | 329 | -81.8 | 101.5 | 104.5 | 3.0  | <300<br>– 940     | 57.7 –<br>58.5 | 58.5 | 335.0 |
|           |       |      |     |       | 109.5 | 111.0 | 1.5  | 380 –<br>710      |                |      |       |
|           |       |      |     |       | 116.0 | 117.5 | 1.5  | <300<br>– 350     |                |      |       |
|           |       |      |     |       | 120.5 | 133.5 | 13.0 | <300<br>–<br>1200 |                |      |       |
|           |       |      |     |       | 147.5 | 159.5 | 12.0 | <300<br>–<br>1200 |                |      |       |
|           |       |      |     |       | 174.0 | 185.5 | 11.5 | <300<br>–<br>2800 |                |      |       |

**R390E Zone (line 225E – line 615E):**

The R390E zone is located approximately 135m grid east of the easternmost defined edge of the R00E zone. Presently defined by 52 holes, the R390E Zone has a strike length (grid east-west) of approximately 390m and a lateral width (grid north-

south) of up to approximately 50m (line 390E).

**R780E Zone (line 690E – line 990E):**

The R780E zone is located approximately 75m grid east of the easternmost defined edge of the R390E zone. Presently defined by 41 holes, the R780E Zone has a strike length (grid east-west) of approximately 300m and a lateral width (grid north-south) of up to approximately 95m (line 780E).

Fission has completed 48 holes of the planned Winter 2014 delineation drill hole program. Approximately 85% of the holes are designed to assist in delineation of the main mineralized trend between lines 015E and 1080E utilizing 4 diamond drill rigs. A 5<sup>th</sup> diamond drill rig is being utilized to drill exploration holes outside of the main mineralized trend.

A \$12M, 100 hole, 30,000m drill program and ground geophysics surveys continues at PLS. Updated maps and files can be found on the Company's website at <http://fissionuranium.com/project/pls/overview/news/>.

Natural gamma radiation in drill core that is reported in this news release was measured in counts per second (cps) using a hand held Exploranium GR-110G total count gamma-ray scintillometer. **The reader is cautioned that scintillometer readings are not directly or uniformly related to uranium grades of the rock sample measured, and should be used only as a preliminary indication of the presence of radioactive materials.** The degree of radioactivity within the mineralized intervals is highly variable and associated with visible pitchblende mineralization. All intersections are down-hole, core interval measurements and true thickness is yet to be determined.

All holes are planned to be radiometrically surveyed using a Mount Sopris 2GHF-1000 Triple Gamma probe, which allows for more accurate measurements in high grade mineralized zones.

The Triple Gamma probe is preferred in zones of high grade mineralization.

Split core samples from the mineralized section of core will be taken continuously through the mineralized intervals and submitted to SRC Geoanalytical Laboratories (an SCC ISO/IEC 17025: 2005 Accredited Facility) of Saskatoon for analysis, which includes U308 (wt %) and fire assay for gold. All samples sent for analysis will include a 63 element ICP-OES, uranium by fluorimetry and boron. Assay results will be released when received.

### **Patterson Lake South Property**

The 31,039 hectare PLS project is 100% owned and operated by Fission Uranium Corp. PLS is accessible by road with primary access from all-weather Highway 955, which runs north to the former Cluff Lake mine and passes through the nearby UEX-Areva Shea Creek discoveries located 50km to the north, currently under active exploration and development.

The technical information in this news release has been prepared in accordance with the Canadian regulatory requirements set out in National Instrument 43-101 and reviewed on behalf of the company by Ross McElroy, P.Geol. President and COO for Fission Uranium Corp., a qualified person.

### **About Fission Uranium Corp.**

Fission Uranium Corp. is a Canadian based resource company specializing in the strategic exploration and development of the Patterson Lake South uranium property and is headquartered in Kelowna, British Columbia. Common Shares are listed on the TSX Venture Exchange under the symbol "FCU" and trade on the OTCQX marketplace in the U.S. under the symbol "FCUUF."

**ON BEHALF OF THE BOARD**

## **Ross McElroy, President and COO**

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