# Fission Hits 16.80m Total Composite "Off-scale" in 82.5m Total Composite Mineralization (line 855E) Plus Six More With "Off-scale"

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## Seven new holes all return "off-scale" mineralization

KELOWNA, BRITISH COLUMBIA--(Marketwired - Apr 7, 2014) - **FISSION URANIUM CORP.** (TSX VENTURE:FCU)(OTCQX:FCUUF)(FRANKFURT:2FU) ("**Fission**" or "**the Company**") is pleased to announce results from seven new holes at its PLS property in Saskatchewan's Athabasca Basin, Canada. Of particular note is hole PLS14-201 (line 855E). With mineralization starting at the shallow depth of 84m, the hole returned **16.80m Total Composite "Off-scale" (>9999 cps) in 82.5m of total composite mineralization**. All seven holes encountered wide intervals and "off-scale" mineralization.

**Drilling Highlights include:**

Hole PLS14-201 (line 780E)

- **82.5m** total composite mineralization (between 84.0m - 340.5m) including:
  - **16.8m** total composite off-scale (>9999 cps) radioactivity

Hole PLS14-200 (line 675E)

- **115.5m** total composite mineralization (between 70.0m - 229.0m) including:
  - **16.2m** total composite off-scale (>9999 cps) radioactivity

Hole PLS14-197 (line 675E)

- **60.5m** total composite mineralization (between 86.5m - 199.0m) including:
  - **13.6m** total composite off-scale (>9999 cps) radioactivity

Hole PLS14-198 (line 705E)

- **63.0m** total composite mineralization (between 58.5m - 248.5m) including:
  - **9.4m** total composite off-scale (>9999 cps) radioactivity

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

*"This is an extremely solid set of holes with substantial mineralization as well as off-scale radioactivity returned in every single hole. These results are another strong step forward in the rapid growth of the PLS discovery."*

| | | Collar | | | * Hand-held Scintillometer Results On Mineralized Drillcore (>300 cps / >0.5M minimum) | | | | Sand-stone | Base-ment Uncon-formity |
|---|---|---|---|---|---|---|---|---|---|---|
| Hole ID | Zone | Grid Line | Az | Dip | From (m) | To (m) | Width (m) | CPS Peak Range | From - To (m) | Depth (m) |
| PLS14-194 | R780E | 1005E | 358 | -82.4 | 149.5 | 151.5 | 2.0 | <300 - 350 | NA | 62.8 |
| | | | | | 186.5 | 191.5 | 5.0 | <300 - >9999 | | |
| | | | | | 209.0 | 209.5 | 0.5 | 450 | | |
| | | | | | 247.0 | 262.5 | 15.5 | <300 - >9999 | | |
| | | | | | 303.5 | 313.0 | 9.5 | <300 - 1800 | | |
| | | | | | 315.5 | 316.0 | 0.5 | 430 | | |
| | | | | | 335.5 | 336.5 | 1.0 | 340 - 420 | | |
| PLS14-195 | R780E | 885E | 325 | -83 | 90.0 | 94.0 | 4.0 | 340 - 2200 | NA | 58.3 |
| | | | | | 107.0 | 107.5 | 0.5 | 370 | | |
| | | | | | 117.5 | 120.5 | 3.0 | <300 - 460 | | |
| | | | | | 124.0 | 125.5 | 1.5 | <300 - 410 | | |
| | | | | | 129.0 | 131.5 | 2.5 | <300 - 450 | | |
| | | | | | 138.0 | 148.0 | 10.0 | <300 - 680 | | |
| | | | | | 150.5 | 157.0 | 6.5 | <300 - 510 | | |
| | | | | | 159.5 | 164.0 | 4.5 | <300 - 640 | | |
| | | | | | 169.0 | 169.5 | 0.5 | 350 | | |
| | | | | | 183.0 | 184.0 | 1.0 | 330 - 530 | | |
| | | | | | 186.5 | 187.5 | 1.0 | 320 - 450 | | |
| | | | | | 191.0 | 193.5 | 2.5 | <300 - 460 | | |
| | | | | | 201.0 | 207.5 | 6.5 | <300 - 2200 | | |
| | | | | | 210.5 | 215.5 | 5.0 | <300 - 2100 | | |
| | | | | | 235.5 | 235.5 | 0.0 | <300 - 350 | | |
| | | | | | 243.5 | 248.5 | 5.0 | <300 - >9999 | | |
| | | | | | 262.5 | 267.5 | 5.0 | <300 - 3300 | | |
| | | | | | 270.5 | 277.5 | 7.0 | <300 - 4300 | | |
| | | | | | 282.5 | 287.5 | 5.0 | <300 - 760 | | |
| | | | | | 291.5 | 303.0 | 11.5 | <300 - 2500 | | |
| | | | | | 345.5 | 346.0 | 0.5 | 590 | | |
| | | | | | 354.5 | 355.5 | 1.0 | 340 - 360 | | |
| PLS14-197 | R780E | 675E | 333 | -82.8 | 86.5 | 96.0 | 9.5 | <300 - >9999 | 58.1 - 58.7 | 58.7 |
| | | | | | 102.0 | 128.5 | 26.5 | 300 - >9999 | | |
| | | | | | 135.0 | 137.0 | 2.0 | 350 - 560 | | |
| | | | | | 151.0 | 154.5 | 3.5 | <300 - >9999 | | |
| | | | | | 157.0 | 170.0 | 13.0 | <300 - >9999 | | |
| | | | | | 175.0 | 178.5 | 3.5 | 340 - >9999 | | |
| | | | | | 182.5 | 183.0 | 0.5 | 1500 | | |
| | | | | | 197.0 | 199.0 | 2.0 | <300 - 890 | | |
| PLS14-198 | R780E | 705E | 218 | -90 | 58.5 | 60.0 | 1.5 | 320 - 580 | NA | 58.1 |
| | | | | | 76.5 | 77.0 | 0.5 | 1700 | | |
| | | | | | 83.5 | 85.5 | 2.0 | 780 - 2400 | | |
| | | | | | 95.0 | 135.0 | 40.0 | <300 - >9999 | | |
| | | | | | 142.0 | 149.5 | 7.5 | <300 - 2700 | | |
| | | | | | 153.0 | 156.0 | 3.0 | 1400 - 6600 | | |
| | | | | | 163.0 | 166.5 | 3.5 | <300 - 650 | | |
| | | | | | 173.5 | 177.0 | 3.5 | <300 - 4300 | | |
| | | | | | 239.5 | 240.5 | 1.0 | 430 - 610 | | |
| | | | | | 248.0 | 248.5 | 0.5 | 310 | | |
| PLS14-199 | R780E | 1080E | | | 207.0 | 225.0 | 18.0 | <300 - 2200 | NA | 61.0 |
| | | | | | 233.5 | 251.5 | 18.0 | <300 - >9999 | | |
| | | | | | 255.5 | 257.5 | 2.0 | 320 - 610 | | |
| | | | | | 267.0 | 269.5 | 2.5 | <300 - 680 | | |
| | | | | | 282.0 | 291.5 | 9.5 | <300 - 6200 | | |
| | | | | | 295.0 | 300.5 | 5.5 | 320 - 1600 | | |
| | | | | | 309.5 | 310.0 | 0.5 | 340 | | |
| | | | | | 318.5 | 319.0 | 0.5 | 360 | | |
| | | | | | 333.5 | 338.0 | 4.5 | <300 - 1000 | | |
| | | | | | 380.0 | 383.5 | 3.5 | 300 - 1600 | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 386.5 | 387.0 | 0.5 | 420 | | |
| | | | | | 406.5 | 407.0 | 0.5 | 320 | | |
| | | | | | 413.5 | 415.0 | 1.5 | 330 - 1100 | | |
| PLS14-200 | R780E | 675E | 227 | -90 | 70.0 | 71.0 | 1.0 | 350 - 390 | NA | 57.8 |
| | | | | | 74.0 | 78.5 | 4.5 | 410 - 1800 | | |
| | | | | | 84.0 | 88.5 | 4.5 | 310 - 640 | | |
| | | | | | 101.5 | 105.0 | 3.5 | <300 - 580 | | |
| | | | | | 107.5 | 167.0 | 59.5 | <300 - >9999 | | |
| | | | | | 170.0 | 173.0 | 3.0 | <300 - 1400 | | |
| | | | | | 176.0 | 184.5 | 8.5 | <300 - 1100 | | |
| | | | | | 191.5 | 194.5 | 3.0 | <300 - 820 | | |
| | | | | | 197.0 | 217.0 | 20.0 | <300 - 8800 | | |
| | | | | | 221.0 | 229.0 | 8.0 | <300 - >9999 | | |
| PLS14-201 | R780E | 855E | 327 | -83.8 | 84.0 | 84.5 | 0.5 | 310 | | |
| | | | | | 101.0 | 101.5 | 0.5 | 500 | | |
| | | | | | 115.5 | 117.0 | 1.5 | 310 - 480 | | |
| | | | | | 120.5 | 121.5 | 1.0 | 340 - 380 | | |
| | | | | | 125.0 | 179.5 | 54.5 | <300 - >9999 | | |
| | | | | | 189.5 | 191.0 | 1.5 | 750 - 1600 | | |
| | | | | | 203.5 | 204.5 | 1.0 | 310 - 350 | | |
| | | | | | 209.0 | 211.5 | 2.5 | 580 - >9999 | | |
| | | | | | 214.5 | 222.5 | 8.0 | <300 - 2300 | | |
| | | | | | 264.5 | 266.5 | 2.0 | <300 - 2000 | | |
| | | | | | 272.5 | 274.5 | 2.0 | <300 - 410 | | |
| | | | | | 281.0 | 285.5 | 4.5 | <300 - 1200 | | |
| | | | | | 289.0 | 289.5 | 0.5 | 370 | | |
| | | | | | 294.0 | 295.5 | 1.5 | 580 - 800 | | |
| | | | | | 337.0 | 337.5 | 0.5 | 360 | | |
| | | | | | 340.0 | 340.5 | 0.5 | 320 | | |

**PLS Mineralized Trend Summary**

Uranium mineralization at PLS has been traced by core drilling over 2.24km of east-west strike length in five separate mineralized "zones" from line 615W (PLS13-124) to line 1620E (PLS14-196). From west to east, these zones are; R600W, R00E, R780E, R1155E and R1620E. The former R390E, R585 and R945E zones have been merged into the R780E zone by successful winter drilling. Mineralization remains open along strike both to the western and eastern extents. Mineralization is both located within and associated with a metasedimentary lithologic corridor, bounded to the south by the PL-3B basement Electro-Magnetic (EM) Conductor.

**R600W Zone (line 615W - 585W)**

The R600W zone is located approximately 510m grid west of the westernmost defined edge of the R00E Zone. Presently defined by 5 holes, the R600W zone has a strike length (grid east-west) of 30m and a lateral width of 30m.

**R00E Zone (line 075W - line 090E):**

The R00E zone is the discovery zone at PLS. Presently defined by 31 holes, the R00E zone has a strike length (grid east-west) of approximately 165m and a lateral width (grid north-south) of up to approximately 45m (line 030W).

**R780E Zone (line 225E - line 1080E):**

The R780E zone is located approximately 135m grid east of the easternmost defined edge of the R00E zone. Presently defined by 114 holes, the R780E zone has a strike length (grid east-west) of approximately 855m and a lateral width (grid north-south) of up to approximately 95m (line 780E).

**R1155E Zone (line 1155E):**

The R1155E zone is located approximately 75m grid east of the easternmost defined edge of the R780E zone. Presently the R1155E zone is defined by 3 mineralized holes, the strongest being the most recent hole, PLS14-190.

**R1620E Zone (line 1620E):**

The R1620E zone is located approximately 465m grid east of the easternmost defined edge of the R780E zone and is associated with the PL-3C conductor. As defined by ground Small Loop Time Domain Electromagnetic (SMLTDEM) geophysics survey, there is a ~250m gap between the eastern terminous of the PL-3B conductor on line 1200E and the western terminous of the PL-3C conductor on line 1450E. Presently the R1620E zone is defined by a single mineralized hole, PLS14-196. PLN14-196 targeted conductor PL-3C, the suspected 1.3km-long strike extension of the mineralized PL-3B conductor, at an interpreted NNE-SSW trending cross-fault located near its western end. This target was upgraded due to the presence of a coincident subtle single point radon in water anomaly.

Fission has completed 70 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$^{th}$ diamond drill rig is being utilized to drill exploration holes outside of the main mineralized trend.

A 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.mwnewsroom.com/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 U3O8 (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**

**Cautionary Statement:** *Certain information contained in this press release constitutes "forward-looking information", within the meaning of Canadian legislation. Generally, these forward-looking statements can be identified by the use of forward-looking terminology such as "plans", "expects" or "does not expect", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates" or "does not anticipate", or "believes", or variations of such words and phrases or state that certain actions, events or results "may", "could", "would", "might" or "will be taken", "occur", "be achieved" or "has the potential to". Forward looking statements contained in this press release may include statements regarding the future operating or financial performance of Fission and Fission Uranium which involve known and unknown risks and uncertainties which may not prove to be accurate. Actual results and outcomes may differ materially from what is expressed or forecasted in these forward-looking statements. Such statements are qualified in their entirety by the inherent risks and uncertainties surrounding future expectations. Among those factors which could cause actual results to differ materially are the following: market conditions and other risk factors listed from time to time in our reports filed with Canadian securities regulators on SEDAR at www.sedar.com. The forward-looking statements included in this press release are made as of the date of this press release and the Company and Fission Uranium disclaim any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as expressly required by applicable securities legislation.*

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**Contact**

Fission Uranium Corp.
Rich Matthews
Investor Relations
TF: 877-868-8140
rich@fissionuranium.com
www.fissionuranium.com