Fission Hits 24.05m Total Composite "Off-Scale" in 119.5m Total Composite Mineralization (Line 660E) Seven New Holes With "Off-Scale" Mineralization

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KELOWNA, BRITISH COLUMBIA--(Marketwired - Apr 24, 2014) - **FISSION URANIUM CORP.** (TSX VENTURE:FCU)(OTCQX:FCUUF)(FRANKFURT:2FU) ("**Fission**" or "**the Company**") is pleased to announce results from twelve new holes at its PLS property in Saskatchewan's Athabasca Basin, Canada. Of particular note are holes PLS14-215 (line 660E) and PLS14-214 (line 645E). These holes returned **24.05m total composite "Off-scale" (>9999 cps) in 119.5m total composite mineralization** and **23.0m total composite "Off-scale" (>9999 cps) in 153.5m total composite mineralization** respectively. All twelve holes returned mineralization, with seven holes returning substantial intervals of "off-scale."

Drilling Highlights include:

Hole PLS14-215 (line 660E)

- **119.5m** total composite mineralization (between 65.0m - 218.5m) including:
  - **24.05m** total composite off-scale (>9999 cps) radioactivity

Hole PLS14-214 (line 645E)

- **153.5m** total composite mineralization (between 58.5m - 239.5m) including:
  - **23.0m** total composite off-scale (>9999 cps) radioactivity

Hole PLS14-209 (line 510E)

- **96.0m** total composite mineralization (between 53.5m - 193.0m) including:
  - **14.21m** total composite off-scale (>9999 cps) radioactivity

Hole PLS14-213 (line 810E)

- **74.0m** total composite mineralization (between 117.0m - 272.0m) including:
  - **7.74m** total composite off-scale (>9999 cps) radioactivity

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

"Ten holes drilled in the R780E zone and ten hits. We are particularly pleased by the shallow depth, strength and width of mineralization encountered in many of the holes. In addition, a second mineralized hole in the new R1620E zone, makes this a promising new target that will require further follow-up. A remarkably strong set of drill results overall and another big step forward for PLS."

The twelve holes announced today represent the completion of the delineation drill program, which consisted of 82 drill holes: 1 hole testing the R00E zone, 1 hole in-between the R00E and R780E zone, 77 holes testing the R780E zone, 1 hole testing the R1155E zone and 2 holes into a new discovery, the R1620E zone.

Important milestones achieved by the Winter 2014 delineation drill program include:

- Merging of R390E, R585E, R780E and R945E zones into a single zone referred to as R780E
- Expansion of R780E zone along strike to the east by 135m (from line 945E to line 1080E)

- Net increase of >135% in strike length of the R780E zone to 855m from the length defined in 2013
- Increase in north-south lateral width of the R780E zone up to 90m on line 780E (from ~40m on line 780E defined in 2013)
- Expansion of lateral north-south width of the R1155E zone to ~20m wide
- Discovery of a new mineralized zone R1620E with 2 holes located 465m to the east of R1155E zone

		Collar			* Hand-held Scintillometer Results On Mineralized Drillcore (>300 cps / >0.5M minimum)				Sand-stone	Bas me Unco form
Hole ID	Zone	Grid Line	Az	Dip	From (m)	To (m)	Width (m)	CPS Peak Range	From - To (m)	Dep (r
PLS14-203	R780E	705E	172	-87	103.5	156.0	52.5	<300 - >9999	NA	59
					161.5	166.0	4.5	<300 - >9999		
					179.0	182.5	3.5	<300 - 640		
PLS14-204	R00E	135E	330	-87	127.0	127.5	0.5	490	NA	51
PLS14-205	R780E	900E	323	-88	100.0	118.5	18.5	<300 - 820	NA	60
					131.5	175.5	44.0	<300 - >9999		
					179.5	192.0	12.5	<300 - 8100		
					199.0	204.0	5.0	<300 - 880		
					213.0	213.5	0.5	540		
					219.0	224.0	5.0	490 - >9999		
					229.0	235.5	6.5	740 - >9999		
					237.9	243.0	5.1	<300 - >9999		
					247.5	287.5	40.0	<300 - >9999		
					293.0	309.5	16.5	<300 - 1300		
					314.0	319.0	5.0	<300 - 560		
					342.5	343.5	1.0	420 - 580		
					346.5	349.0	2.5	<300 - 1200		
					380.5	381.0	0.5	580		
PLS14-207	R780E	750E	328	-81	159.5	169.5	10.0	<300 - 1800	NA	55
					172.0	173.5	1.5	370 - 590		
					185.0	204.5	19.5	<300 - 2500		
					207.0	208.0	1.0	310 - 340		
					229.5	230.5	1.0	320 - 440		
					234.5	239.5	5.0	<300 - 710		
					248.5	249.5	1.0	400 - 640		
					274.5	276.0	1.5	340 - 650		
					281.0	288.5	7.5	<300 - 1600		
					302.0	303.5	1.5	<300 - 2100		
					307.0	314.0	7.0	<300 - 3200		
					325.5	328.0	2.5	410 - 3100		
					345.5	348.5	3.0	<300 - 970		
					354.0	355.5	1.5	520 - 1200		
					384.0	384.5	0.5	470		
					387.0	388.0	1.0	430 - 530		
					419.5	420.0	0.5	730		
					425.5	426.0	0.5	980		
					431.5	432.0	0.5	580		
					453.5	454.0	0.5	680		
PLS14-208	R1620E	1620E	241	-89	78.0	116.5	38.5	<300 - 3500	NA	58
					133.0	134.5	1.5	310 - 2500		
					305.0	305.5	0.5	310		
PLS14-209	R780E	510E	338	-82	53.5	55.0	1.5	310 - 1000	NA	52
					62.0	63.0	1.0	460 - 690		
					74.0	77.5	3.5	<300 - 790		
					81.5	147.0	65.5	<300 - >9999		
					149.5	160.5	11.0	<300 - >9999		
					167.0	174.5	7.5	<300 - 4200		
					178.5	182.0	3.5	<300 - 3500		
					190.5	193.0	2.5	<300 - 1200		
PLS14-210	R780E	630E	333	-81	96.0	97.0	1.0	310 - 460	NA	60
					100.0	104.5	4.5	<300 - 430		

					107.0	121.5	14.5	<300 - 1600		
					131.0	136.5	5.5	<300 - 560		
					140.0	151.0	11.0	<300 - 1400		
					155.0	160.0	5.0	<300 - 1200		
					167.5	169.0	1.5	<300 - 370		
					181.0	181.5	0.5	300		
					184.0	185.5	1.5	330 - 1200		
					190.5	191.5	1.0	390 - 590		
					197.0	198.0	1.0	330 - 420		
					205.0	215.0	10.0	<300 - 7800		
					219.0	222.5	3.5	<300 - 3300		
					226.0	232.0	6.0	460 - 8200		
					235.5	237.0	1.5	<300 - 430		
					249.0	249.5	0.5	300		
PLS14-211	R780E	870E	341	-88	70.0	76.0	6.0	<300 - 960	NA	59
					79.5	108.0	28.5	<300 - 1100		
					111.5	121.0	9.5	<300 - 1200		
					123.5	140.5	17.0	<300 - 3000		
					143.5	150.0	6.5	<300 - 1400		
					155.0	190.0	35.0	<300 - 6400		
					194.0	196.5	2.5	300 - 3100		
					200.0	208.0	8.0	400 - >9999		
					212.5	214.5	2.0	540 - 740		
					217.0	220.0	3.0	<300 - 3700		
					225.5	229.5	4.0	<300 - 680		
					233.0	236.0	3.0	<300 - 870		
					258.0	259.0	1.0	400 - 500		
					269.0	269.5	0.5	600		
					286.0	287.0	1.0	330 - 400		
					290.0	290.5	0.5	350		
					294.0	297.0	3.0	<300 - 570		
PLS14-213	R780E	810E	334	-76	117.0	126.5	9.5	<300 - 3900	NA	56
					147.0	181.5	34.5	<300 - >9999		
					185.5	189.0	3.5	<300 - 5400		
					197.0	200.5	3.5	350 - 5400		
					212.0	215.5	3.5	<300 - 4100		
					221.0	221.5	0.5	5900		
					229.5	232.5	3.0	<300 - 1500		
					236.5	240.5	4.0	<300 - >9999		
					251.0	254.5	3.5	<300 - 1100		
					260.0	261.0	1.0	740 - 1100		
					264.5	272.0	7.5	<300 - 1100		
PLS14-214	R780E	645E	193	-87	58.5	64.0	5.5	<300 - 330	NA	57
					66.5	177.0	110.5	<300 - >9999		
					179.5	184.0	4.5	<300 - 1200		
					189.5	210.5	21.0	<300 - >9999		
					215.5	224.0	8.5	<300 - 1000		
					236.0	239.5	3.5	<300 - 540		
PLS14-215	R780E	660E	321	-79	65.0	143.0	78.0	<300 - >9999	NA	65
					145.5	155.5	10.0	<300 - >9999		
					160.5	165.5	5.0	<300 - >9999		
					172.5	181.5	9.0	<300 - 1900		
					185.5	196.0	10.5	<300 - >9999		
					202.5	206.0	3.5	<300 - 840		
					215.0	218.5	3.5	<300 - 850		
PLS14-216	R780E	690E	328	-84	217.0	225.5	8.5	<300 - 9900	NA	58

It should be noted that the downhole gamma log in hole PLS14-213 was completed only to 169.7m, within the main mineralized interval. Post completion of the hole, drill rods were stuck in the hole blocking further progress of the probe. However hand scintillometer radioactivity measurements were taken throughout and as is standard practice, assays will confirm the grade of the mineralization.

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, and now in addition associated with the eastern PL-3C 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 32 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 124 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 two mineralized holes both drilled on line 1620E. PLS14-208 was collared 10m south of 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 the Winter 2014 delineation drill program with a total of 82 holes. Approximately 85% of the holes drilled this winter were designed to assist in delineation of the main mineralized trend between lines 015E and 1155E utilizing 4 diamond drill rigs.

Updated maps and files can be found on the Company's website at http://fissionuranium.com/project/pls/overview/.

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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