Strathmore Triples Length of Mineralized Trend at Agate

09.07.2024 | Newsfile

Kelowna, July 9, 2024 - <u>Strathmore Plus Uranium Corp.</u> (TSX: SUU) (OTCQB: SUUFF) ("Strathmore" or "the Company") is pleased to announce it has extended the mineralization from the Phase 1 drilling for the 2024 exploration season at the Agate project in Wyoming. The Company completed 100 exploration holes across the project area, resulting in the extension of the Lower sand's northern trend to 3,700 feet in length.

Highlights for the drilling along this trend included holes:

In addition, five piezometer wells were completed for groundwater testing and five holes were prepared for core recovery this summer.

Phase 1 of the 2024 drilling explored the Eocene Wind River Formation, an arkosic-rich sandstone which is noted for its high porosity and permeability, and high groundwater transmissivity. In addition to continued exploration of the Lower sand, the recent drilling discovered shallow mineralization within the overlying Middle sand, which is thicker than the Lower sand, and historically produced most of the uranium in the Shirley Basin district.

Dev Randhawa, CEO commented:

The BOD and I, along with our new Director, Mr. Marion Loomis, and technical advisors Ray Ashley and Sam Hartmann, toured both our Agate and Beaver Rim properties on June 26 & 27th.

We are excited to see the higher-grade intercepts as we move further SW. at Agate. The drill results are validating our prediction of the Wyoming roll front model as applied to our Agate property. With continued exploration by our field team and geophysical modeling by the University of Wyoming personnel, I expect Strathmore to further define the east side of the mineralized tongue at Agate and move towards a draft ISR resource assessment.

Agate Exploration:

To view an enhanced version of this graphic, please visit: https://images.newsfilecorp.com/files/3282/215737_ae406299f46f3955_002full.jpg

Hole ID	Latitude Longitude	Depth (ft)	Top (ft)	Bottom (ft)	Thickness (ft)	Grade % eU3O8	Grade x Thickness
AG-101-24	42.30469 (106.29538	120	80.5	86.0	5.5	0.017	0.094
AG-102-24	42.30502 (106.29534	120	84.5	98.0	13.5	0.026	0.351
AG-103-24	42.30474 (106.29495	120	74.5	82.5	8.0	0.035	0.280
AG-104-24	42.30447 (106.29533	100	81.0	87.0	6.0	0.019	0.114
AG-105-24	42.30500 (106.29573	120	86.5	98.5	12.0	0.014	0.168
AG-106-24	42.30472 (106.29573	100	79.0	83.0	4.0	0.037	0.148
			86.5	89.0	2.5	0.046	0.115

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^{*}AG-175-24 (7.5 feet of 0.128% eU₃O₈ from 103.5-110.0 feet)

^{*}AG-200-24 (15 feet of 0.116% eU₃O₈ from 82.5-97.5 feet).

^{*}AG-162-24 (16 feet of 0.067% eU₃O₈ from 87.5-103.5 feet)

AG-107-24	42.30446 (106.29579) 120	80.5	83.5	3.0	0.034	0.102
		88.5	92.5	4.0	0.044	0.176
AG-108-24	42.30529 (106.29531) 120	88.0	90.0	2.0	0.023	0.046
AG-109-24	42.30558 (106.29533) 120	84.5	87.0	2.5	0.031	0.078
	,	89.5	99.5	10.0	0.032	0.320
AG-110-24	42.30531 (106.29493) 120	82.5	92.5	10.0	0.019	0.190
AG-111-24	42.30477 (106.29610) 120	83.0	92.0	9.0	0.026	0.231
AG-112-24	42.30505 (106.29608) 120	81.5	85.0	3.5	0.023	0.081
AG-112-24 AG-113-24	42.30505 (106.29493) 120	83.0	93.0	10.0	0.023	0.219
AG-114-24	42.30528 (106.29573) 120	84.5	95.5	11.0	0.014	0.154
AG-115-24	42.30566 (106.29493) 120	88.0	89.5	1.5	0.031	0.047
AG-116-24	42.30561 (106.29456) 120	83.0	87.5	4.5	0.027	0.122
AG-117-24	42.30590 (106.29494) 120	75.0	87.5	12.5	0.015	0.188
\G-118-24	42.30589 (106.29459) 120	87.0	100.5	13.5	0.024	0.324
AG-119-24	42.30553 (106.29558) 120	87.5	105.5	18.0	0.033	0.594
AG-120-24	42.30293 (106.29702) 140	BARR	REN			
AG-121-24	42.30318 (106.29700) 120	BARR				
AG-122-24	42.30346 (106.29699) 120	89.5	94.5	5.0	0.022	0.110
AG-122-24	42.30322 (106.29739) 140	90.0	92.0	2.0	0.022	0.048
120-24	72.00022 (100.23103) 140	94.0	101.0	7.0	0.024	0.048
O 104 04	42 20240 (400 20720) 440					
AG-124-24	42.30349 (106.29736) 140	90.0	95.0	5.0	0.017	0.085
G-125-24	42.30373 (106.29697) 120	91.0	94.0	3.0	0.027	0.081
NG-126-24	42.30319 (106.29662) 120	84.0	88.5	4.5	0.019	0.086
G-127-24	42.30374 (106.29738) 140	97.0	99.0	2.0	0.015	0.030
G-128-24	42.30320 (106.29744) 140	92.0	98.0	6.0	0.013	0.078
G-129-24	42.30370 (106.29668) 120	86.5	88.5	2.0	0.013	0.026
G-130-24	42.30402 (106.29697) 120	90.0	94.5	4.5	0.059	0.266
AG-131-24	42.30360 (106.27836) 130	19.0	27.0	8.0	0.030	0.242
	,,	31.5	34.0	2.5	0.022	0.055
		41.0	43.0	2.0	0.028	0.056
G-132-24	42.30414 (106.27911) 100	37.5	42.0	4.5	0.029	0.131
AG-132-24	42.30414 (100.27911) 100					
		48.5	50.5	2.0	0.012	0.024
		63.5	65.5	2.0	0.012	0.024
\G-133-24	42.30417 (106.27866) 100	37.5	39.5	2.0	0.013	0.026
		41.5	63.5	22.0	0.013	0.288
		68.0	71.0	3.0	0.015	0.045
4G-134-24	42.30387 (106.27872) 120	42.5	50.5	8.0	0.013	0.105
		56.0	58.5	2.5	0.013	0.033
		62.5	64.5	2.0	0.011	0.022
AG-135-24	42.30389 (106.27831) 120	16.0	32.5	16.5	0.035	0.578
		34.0	36.5	2.5	0.013	0.033
		44.0	48.5	4.5	0.025	0.113
AG-136-24	42.30335 (106.27836) 100					
130-24	42.30333 (100.27636) 100	9.5	13.0	3.5	0.013	0.046
		20.0	24.0	4.0	0.012	0.048
		35.5	42.5	7.0	0.014	0.095
		45.0	49.0	4.0	0.014	0.056
\G-137-24	42.30365 (106.27874) 140	17.5	28.0	10.5	0.032	0.336
		32.5	36.0	3.5	0.027	0.095
AG-138-24	42.30446 (106.27828) 120	36.5	40.5	4.0	0.062	0.248
lole ID	,					U3O8 Grade x Thi
G-139-24	42.30417 (106.27832) 120	43.5	49.0	5.5	0.018	0.099
AG-140-24	42.30387 (106.27802) 120	33.5	36.5	3.0	0.016	0.048
140 24	.2.00007 (100.27002) 120	40.0	44.0	4.0	0.013	0.052
	42 2044E (406 27000) 400					
1C 1/1 24	42.30445 (106.27869) 120	35.0	41.5	6.5	0.013	0.085
4G-141-24		67.0	69.0	2.0	0.012	0.024
AG-141-24	10.00.100.(100.075=5).155		000	0 0	0 00-	0 0-0
AG-141-24 AG-142-24	42.30469 (106.27872) 120	34.0	36.0	2.0	0.035	0.070
	42.30469 (106.27872) 120		36.0 65.0 72.0	2.0 2.5 2.0	0.035 0.015 0.014	0.070 0.038 0.028

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AG-143-24	42.30500 (106.27869) 120	30.5	44.5	14.0	0.046	0.644
	,,	51.0	56.0	5.0	0.010	0.052
		64.5	71.0	6.5	0.012	0.076
AG-144-24	42.30503 (106.27821) 120	16.0	23.0	7.0	0.013	0.094
	,	30.5	32.5	2.0	0.041	0.082
		36.5	40.5	4.0	0.038	0.152
G-145-24	42.30559 (106.27820) 120	18.0	20.0	2.0	0.012	0.024
(0 1 10 2 1	12.00000 (100.27020) 120	23.0	28.0	5.0	0.011	0.055
		33.5	36.0	2.5	0.012	0.030
		44.0	48.5	4.5	0.012	0.063
		53.0	57.0	4.0	0.014	0.056
			64.5		0.014	0.036
		61.0		3.5		
0.440.04	40 20525 (400 07000) 400	71.0	73.5	2.5	0.012	0.030
G-146-24	42.30535 (106.27869) 120	20.5	23.5	3.0	0.013	0.038
0.447.04	40,00500 (400,07005) 400	25.5	48.0	22.5	0.014	0.304
G-147-24	42.30580 (106.27865) 120	29.0	44.5	15.5	0.051	0.791
_		57.0	68.0	11.0	0.013	0.143
G-148-24	42.30610 (106.27818) 120	28.0	31.5	3.5	0.011	0.037
		35.0	48.0	13.0	0.013	0.165
		54.0	56.5	2.5	0.011	0.027
G-149-24	42.31234 (106.29066) 140	101.0		3.5	0.046	0.161
		110.5	116.5	6.0	0.011	0.068
G-150-24	42.31252 (106.29057) 140	103.5	107.5	4.0	0.010	0.042
G-151-24	42.31322 (106.29053) 140	95.0	106.0	11.0	0.079	0.869
G-152-24	42.31321 (106.29016) 160		105.5	4.5	0.049	0.221
G-153-24	42.31352 (106.29048) 140	BARR				
G-154-24	42.31353 (106.29015) 140	93.0	95.5	2.5	0.027	0.068
G-155-24	42.31353 (106.28978) 140	90.5	93.0	2.5	0.039	0.098
	(94.5	100.0	5.5	0.060	0.330
G-156-24	42.31321 (106.28978) 160	98.5	108.0	9.5	0.056	0.532
G-157-24	42.31293 (106.29090) 140	100.5	103.0	2.5	0.037	0.093
J .	(104.5	106.5	2.0	0.025	0.050
G-158-24	42.31321 (106.29090) 140	92.5	97.0	4.5	0.012	0.054
G-150-24 G-159-24	42.31321 (106.28945) 160	107.0		2.0	0.028	0.056
G-160-24	42.31351 (106.28942) 140	95.0	99.5	4.5	0.028	0.198
.G-160-24	42.31364 (106.28944) 140	91.5	102.5	11.0	0.044	0.231
G-161-24 G-162-24	42.31295 (106.29128) 140	91.5 77.5	79.5	2.0	0.021	0.072
G-102-24	42.31233 (100.23120) 140					
C 162 04	42 24260 (406 20420) 442	87.5 107.0	103.5	16.0	0.067	1.072
G-163-24	42.31269 (106.29129) 140	107.0	108.5	1.5	0.013	0.020
G-164-24	42.31266 (106.29090) 140	99.5	105.0	5.5	0.033	0.182
G-165-24	42.31266 (106.29168) 140	105.0	107.5	2.5	0.013	0.033
G-166-24	42.31298 (106.29164) 140	83.5	86.0	2.5	0.037	0.093
G-167-24	42.31295 (106.29201) 140	80.5	83.0	2.5	0.029	0.073
lole ID	Latitude Longitude Depth		•	` '	` '	U3O8 Grade x Thicl
		85.5	87.5	2.0	0.040	0.080
		89.5	91.5	2.0	0.027	0.054
G-168-24	42.31251 (106.29198) 140	78.5	80.5	2.0	0.068	0.136
		91.5	94.0	2.5	0.011	0.028
		97.5	104.0	6.5	0.014	0.088
G-169-24	42.31230 (106.29179) 140	96.0	100.5	4.5	0.014	0.063
	(11 3 11 5) 1 10	102.0		5.0	0.014	0.070
G-170-24	42.31241 (106.29229) 140	101.0		3.5	0.013	0.046
G-171-24	42.31270 (106.29229) 140	90.0	92.5	2.5	0.015	0.038
	.2.51275 (100.25225) 140	94.5	101.0	6.5	0.013	0.085
		105.5	107.5	2.0	0.013	0.083
AG-172-24	42.31216 (106.29212) 140		107.5	10.0	0.011	0.021
	` ,	97.0 101.5				
AG-173-24	42.31213 (106.29257) 140	101.5	107.0	5.5	0.068	0.374
AG-174-24	42.31246 (106.29262) 140	BARR	□NI			

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AG-175-24	42.31191 (106.29215) 1	40 103.5	111.0	7.5	0.128	0.960
AG-176-24	42.31196 (106.29282) 1	40 BELC	W CUTO	FF		
AG-177-24	42.31175 (106.29253) 1-	40 59.5	63.0	3.5	0.012	0.042
		108.5	112.0	3.5	0.020	0.070
AG-178-24	42.31162 (106.29217) 1	40 51.0	53.0	2.0	0.011	0.022
		69.5	72.5	3.0	0.013	0.040
		109.5	113.5	4.0	0.010	0.041
AG-179-24	42.31186 (106.29178) 14	40 109.0	112.0	3.0	0.045	0.135
AG-180-24	42.31231 (106.29144) 1	40 85.0	91.5	6.5	0.122	0.793
		95.0	99.0	4.0	0.038	0.152
AG-181-24	42.31135 (106.29262) 1	40 80.5	86.0	5.5	0.023	0.127
		101.5	113.0	11.5	0.015	0.172
AG-182-24	42.31129 (106.29219) 1	40 100.0	112.0	12.0	0.014	0.168
AG-183-24	42.31209 (106.29182) 1	40 100.0	102.5	2.5	0.037	0.093
	,	105.0	108.5	3.5	0.014	0.050
		112.0	114.0	2.0	0.012	0.024
AG-184-24	42.31204 (106.29146) 1	40 96.0	99.5	3.5	0.055	0.193
		100.0	110.5	10.5	0.014	0.147
AG-185-24	42.31220 (106.29104) 1	40 84.5	86.5	2.0	0.012	0.024
	,	93.5	96.0	2.5	0.015	0.038
		98.0	103.0	5.0	0.018	0.090
		105.0		2.0	0.010	0.020
AG-186-24	42.31108 (106.29362) 1	40 112.0	121.0	9.0	0.062	0.558
AG-187-24	42.31076 (106.29367) 1			2.0	0.033	0.066
	,	117.0		12.0	0.012	0.141
AG-188-24	42.31065 (106.29429) 1		129.0	18.5	0.012	0.221
AG-189-24	42.31040 (106.29429) 1	40 109.0	111.5	2.5	0.023	0.058
	,	116.5		5.0	0.012	0.062
AG-190-24	42.31080 (106.29329) 1	40 108.5	113.5	5.0	0.093	0.465
AG-191-24	42.31046 (106.29470) 1			7.5	0.015	0.113
AG-192-24	42.31022 (106.29472) 1			5.0	0.012	0.062
	, ,	117.5		9.5	0.017	0.162
AG-193-24	42.31029 (106.29502) 1		101.0	5.0	0.012	0.058
	,	113.5		9.0	0.014	0.122
		124.0		6.0	0.016	0.096
AG-194-24	42.31015 (106.29529) 1		120.5	8.0	0.016	0.128
AG-195-24	42.31095 (106.29429) 1		133.5	3.5	0.016	0.056
Hole ID	Latitude Longitude D					
AG-196-24	42.31353 (106.28906) 1		100.0	4.0	0.029	0.116
AG-197-24	42.31352 (106.28869) 1		103.0	6.0	0.013	0.078
AG-198-24	42.31373 (106.28866) 1		105.0	8.0	0.033	0.266
	/ 42.31395 (106.28670) 1:		LOGGED		2.300	
	/ 42.31502 (106.28512) 1:		97.5	15.0	0.116	1.740
		O <u>-</u> .0	00	. 5.0	50	10

Note: The geophysical results are based on equivalent uranium (eU₃O₈) of the gamma-ray probes calibrated at the Department of Energy's Test Facility in Casper, Wyoming. A series E Century Geophysical logging tool with gamma-ray, spontaneous potential, resistivity, and drift detectors was utilized. The reader is cautioned that the reported uranium grades may not reflect actual concentrations due to the potential for disequilibrium between uranium and its gamma emitting daughter products.

- Mineralized holes with thicker, higher-grade intercepts are interpreted to be in the Near Interface, Nose (main front), or Near Seepage ground located within the projected roll front system.
- Mineralized holes with thinner, below cutoff grade intercepts are interpreted to be in the Limb/Tails or Remote Seepage ground located behind (altered) or ahead (reduced) of the projected roll front system, respectively.
- Non-mineralized holes are interpreted to be in the Barren Exterior ground located ahead of the projected roll front system in reduced ground.

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• The drill results were determined using thickness and grade % cutoffs of 2-feet and 0.01% eU₃O8.

The 2024 drilling was completed by Single Water Services utilizing a mud-rotary rig and the geophysical logging was completed by Hawkins CBM Logging, both of Wyoming with extensive experience in the uranium industry. Mr. Terrence Osier, PG, VP Exploration for Strathmore, was the supervising Geologist and oversaw the drilling activities and lithologic descriptions of the drilled cuttings which were sampled at 5-foot intervals. The drilling was completed on budget (US\$275,000) and in a timely manner over a month's time. The results of the exploration will be analyzed and assist in the layout of additional drill sites proposed for the Phase 2 drilling in autumn 2024.

New Claims Staked

In addition to exploration, the Company has expanded the project area by staking 18 new mining claims continuous to the current claim group, bringing the project total to 85 mining claims. The new claims cover ground where mineralization is anticipated to be on trend with recent and historical drilling. Strathmore plans to amend the drill permit following the Phase 1 drilling to include the new mining claims and anticipates exploration of the acquired ground in Phase 2 drilling later this year.

About the Agate Property

The Agate property consists of 85 wholly owned lode mining claims covering 1,756 acres. The uranium mineralization is contained in classic Wyoming-type roll fronts within the Eocene Wind River Formation, an arkosic-rich sandstone. Historically, 53 million pounds of uranium were mined in Shirley Basin, including from open-pit, underground, and the first commercial in-situ recovery operation in the USA during the 1960s. At the property, the uranium mineralization is shallow, from 20 to approximately 150 feet deep, much of which appears below the water table and likely amenable to in-situ recovery. Kerr McGee Corporation, the largest US uranium mining company at the time, drilled at least 650 holes across the project area in the 1970s, delineating several targets of potential mineralization.

About Strathmore Plus Uranium Corp. Strathmore is focused on discovering uranium deposits in Wyoming, and has three permitted uranium projects including Agate, Beaver Rim, and Night Owl. The Agate and Beaver Rim properties contain uranium in typical Wyoming-type roll front deposits based on historical drilling data. The Night Owl property is a former producing surface mine that was in production in the early 1960s.

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Qualified Person

The technical information in this news release has been prepared in accordance with the Canadian

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regulatory requirements set out in National Instrument 43-101 and reviewed on behalf of the company by Terrence Osier, P.Geo., Vice President, Exploration of Strathmore Plus Uranium Corp., a Qualified Person.

Strathmore Plus Uranium Corp.

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ON BEHALF OF THE BOARD "Dev Randhawa" Dev Randhawa, CEO

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