



AR-15-45b returns highest total composite mineralization of 226.0m to date at Arrow

Vancouver, BC, April 29th, 2015 – NexGen Energy Ltd. (TSX-V: NXE) ("NexGen" or the "Company") is pleased to announce results from our last drill hole (AR-15-45b) of the winter 2015 drilling program at our 100% owned Rook I property, Athabasca Basin, Saskatchewan. The high grade cores of the A2 and A3 shears continue to yield wide intervals of high grade uranium mineralization as confirmed by drill hole AR-15-45b.

Highlights:

- Angled drill hole **AR-15-45b** intersected **226.0 m** total composite mineralization including **9.80 m** off-scale radioactivity (>10,000 to 54,000 cps) within a 468.0 m section (391.0 m to 859.0 m);
- The high grade core of the **A2** shear is thus far defined by an **88 m** strike length, **340 m** vertical extent, and true widths ranging from approximately **11.0 to 48.3 m**;
- The high grade core of the **A3** shear is thus far defined by a **73 m** strike length, **420 m** vertical extent, and true widths ranging from approximately **30.0 to 78.6 m**;
- The Arrow zone is currently at an area of **515 x 215 m** with the vertical extent of mineralization commencing from **100 to 920 m**, and it remains open in all directions and at depth;
- Upon the completion of the winter 2015 drill program, 44 of 46 drill holes completed at Arrow have intersected uranium mineralization (as defined by uranium assay or the presence of >500 cps radioactivity using an RS-125 gamma spectrometer).
- Assay results of 8 holes drilled at Arrow are pending
- Drilling will re-commence early June 2015 with five rigs for a planned total of 25,000 m.

Garrett Ainsworth, NexGen's Vice-President, Exploration and Development, commented "These results from drill hole AR-15-45b confirmed and exceeded our expectations on the robust nature of the A2 and A3 shears. We look forward to receiving the pending assays, and to recommence drilling with the team well advanced in the planning for the summer 2015 drill program, which is scheduled to commence in the first week of June."

Leigh Curyer, Chief Executive Officer commented, "The completion of drill hole AR-15-45b wraps up a successful winter 2015 drill program. The delivered results indicate Arrow is developing very expediently into a significant resource. In addition, the program delivered the new Bow discovery 3.7km north east of Arrow. I would like to take the opportunity to congratulate all the NexGen employees and contractors involved in contributing to a very successful winter 2015 drilling season. The Company is on track to deliver an initial resource for Arrow prior to year end 2015. "

At Arrow, a total of 11,820.3 m was completed during the winter 2015 drill program. Drill hole locations are shown in Figure 1, and long sections illustrating the mineralized pierce points within the A2 and A3 shears at the Arrow zone are shown in Figures 2 and 3, respectively. Drill hole details and scintillometer (handheld RS-120) results are summarized in Table 1.

Figure 1: Arrow Zone Drill Hole Locations

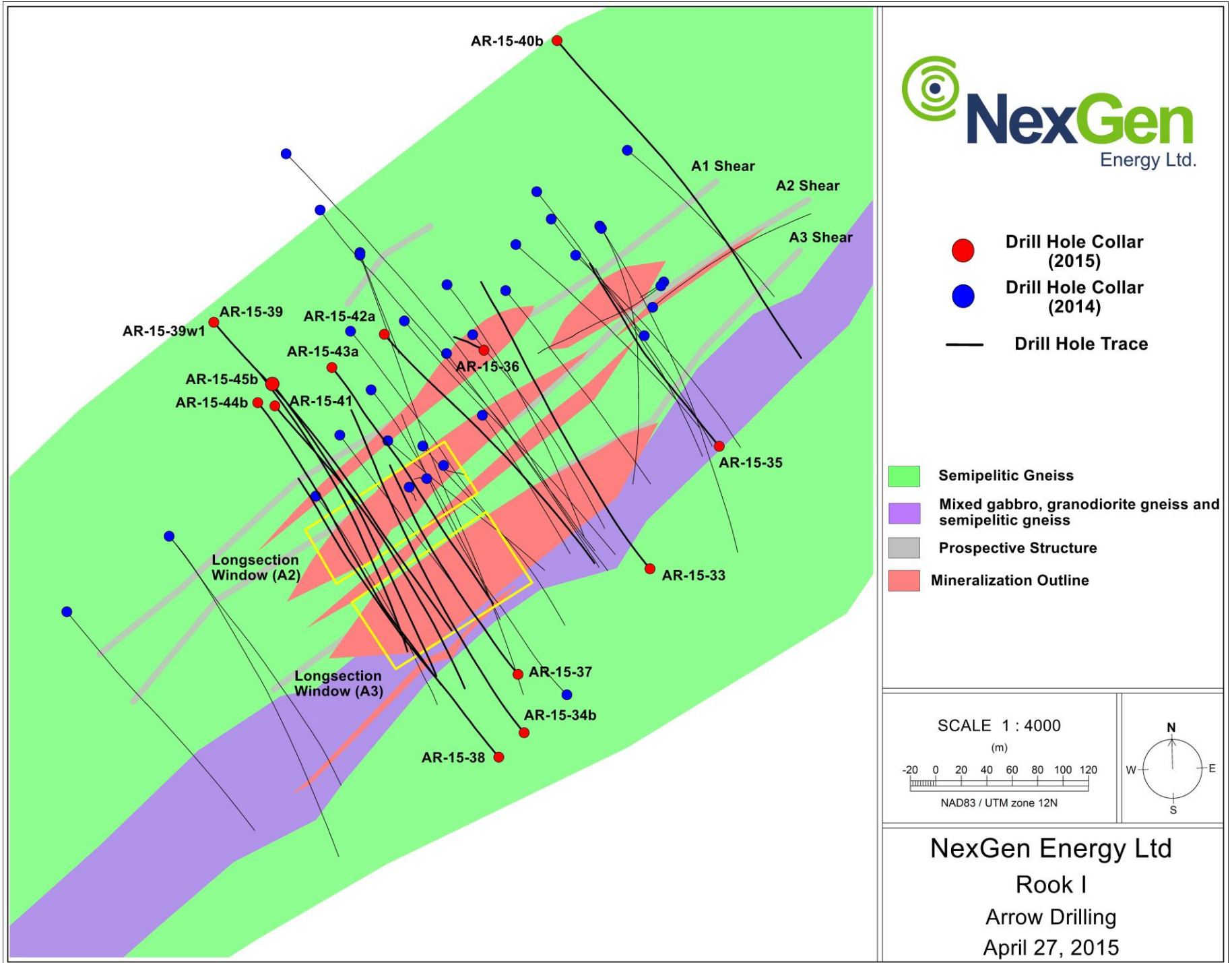
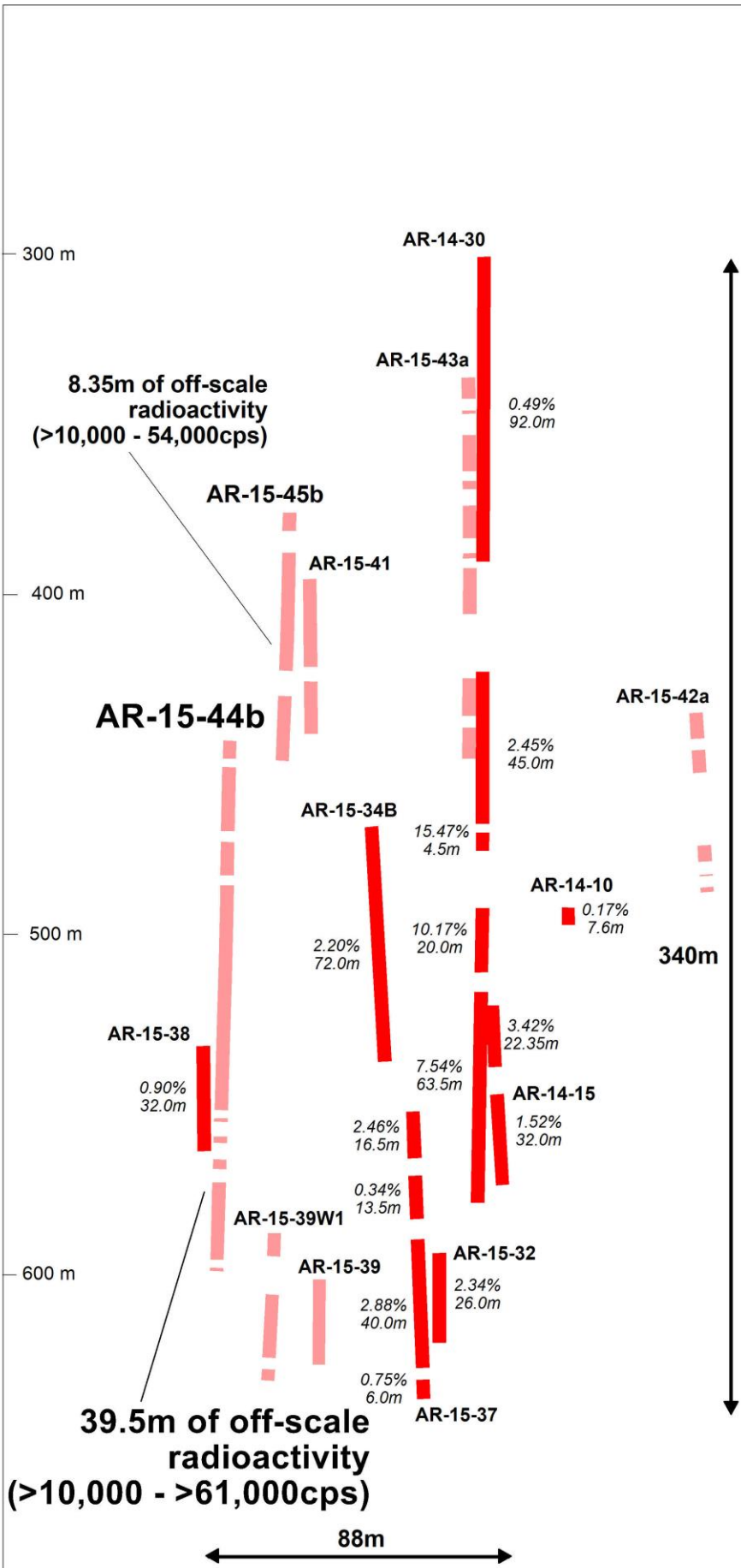


Figure 2: A2 Mineralized Shear Long Section



Radioactive Intersection (Assays Pending)

Uranium Assay Intersection

Assay Results

2015

AR-15-34B: 2.20% U3O8 / 70.0m

AR-15-37: 2.46% U3O8 / 16.5m
 0.34% U3O8 / 13.5m
 2.88% U3O8 / 40.0m
 0.75% U3O8 / 6.0m

AR-15-38: 0.90% U3O8 / 32.0m

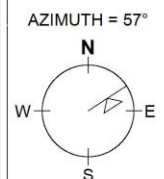
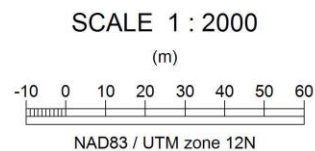
2014

AR-14-10: 0.17% U3O8 / 7.60m

AR-14-15: 3.42% U3O8 / 22.35m
 1.52% U3O8 / 32.0m

AR-14-30: 0.49% U3O8 / 92.0m
 2.45% U3O8 / 45.0m
 15.47% U3O8 / 4.50m
 10.17% U3O8 / 20.0m
 7.54% U3O8 / 63.5m

AR-15-32: 2.34% U3O8 / 26.0m



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 Arrow Zone
 Longitudinal Section - A2 Shear
 April 27, 2015

Figure 3: A3 Mineralized Shear Long Section



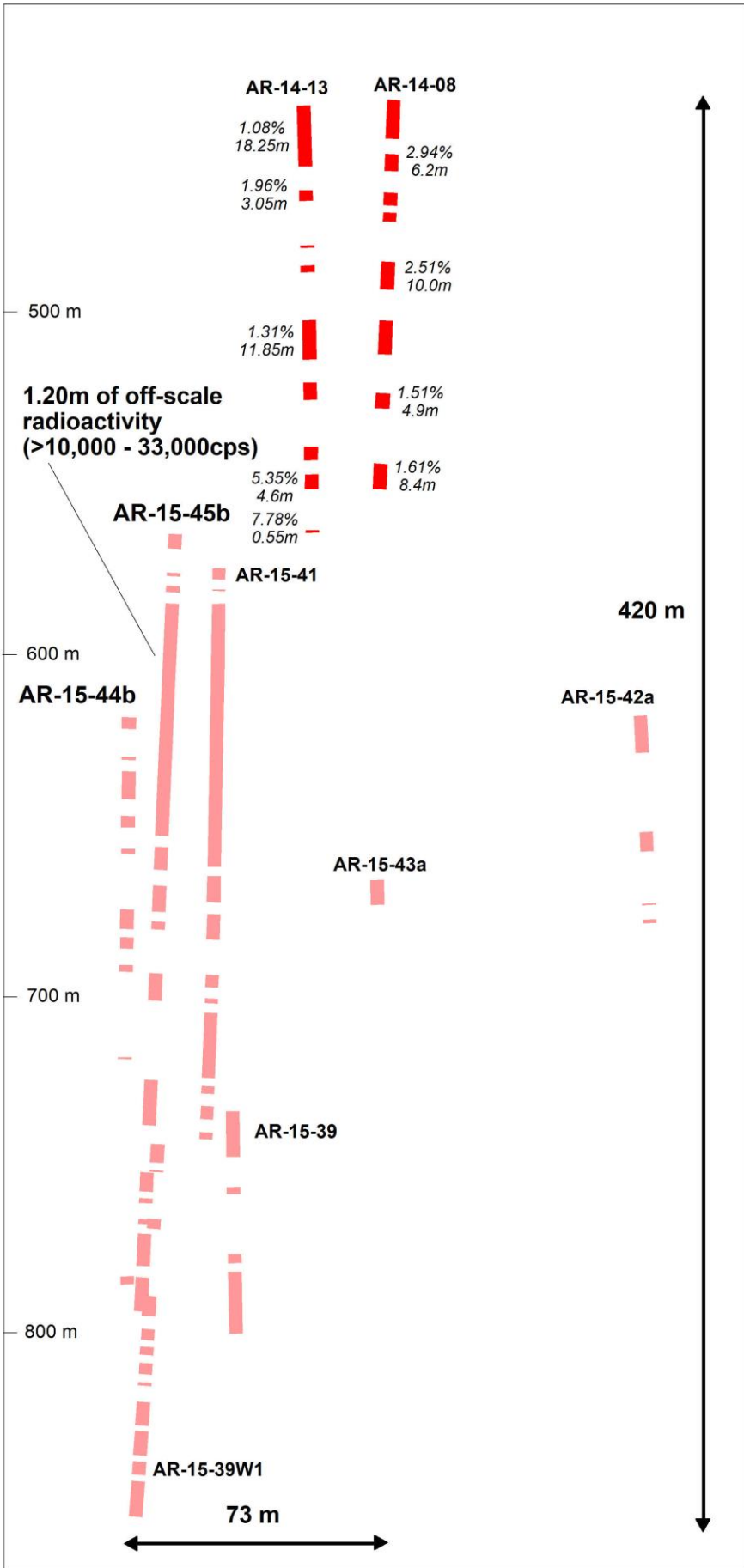
Radioactive Intersection (Assays Pending)
 Uranium Assay Intersection

Assay Results

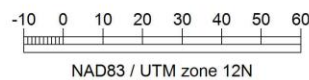
2014

AR-14-08: 0.13% U₃O₈ / 14.0m
 2.94% U₃O₈ / 6.20m
 0.20% U₃O₈ / 5.80m
 0.78% U₃O₈ / 3.00m
 2.51% U₃O₈ / 10.0m
 0.66% U₃O₈ / 11.4m
 1.51% U₃O₈ / 4.90m
 1.61% U₃O₈ / 8.40m

AR-14-13: 1.08% U₃O₈ / 18.25m
 1.96% U₃O₈ / 3.05m
 2.66% U₃O₈ / 0.65m
 1.24% U₃O₈ / 2.00m
 1.31% U₃O₈ / 11.85m
 0.17% U₃O₈ / 5.80m
 0.29% U₃O₈ / 5.50m
 5.35% U₃O₈ / 4.60m
 7.78% U₃O₈ / 0.55m

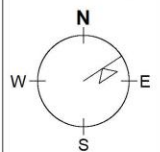


SCALE 1 : 2000
(m)



NAD83 / UTM zone 12N

AZIMUTH = 57°



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Arrow Zone

Longitudinal Section - A3 Shear

April 27, 2015

Table 1: Arrow Zone Drill Hole Data

Drill Hole				Athabasca Group - Basement Unconformity Depth (m)	Handheld Scintillometer Results (RS-120)			
Hole ID	Azimuth	Dip	Total Depth (m)		From (m)	To (m)	Width (m)	CPS Range
AR-15-45b	140	-75	888.90	113.80	391.0	396.5	5.5	<500 - 1500
					403.0	439.0	36.0	<500 - 54000
					443.5	444.0	0.5	<500 - 550
					447.0	467.0	20.0	<500 - 5400
					489.0	489.5	0.5	<500 - 600
					495.0	501.5	6.5	<500 - 1200
					576.5	577.0	0.5	<500 - 600
					587.5	588.0	0.5	<500 - 1000
					591.0	596.0	5.0	<500 - 5500
					603.5	604.5	1.0	<500 - 2200
					607.5	609.5	2.0	<500 - 2500
					613.0	684.5	71.5	<500 - 12000
					688.0	695.0	7.0	<500 - 2300
					700.0	708.0	8.0	<500 - 5100
					711.0	713.5	2.5	<500 - 12000
					718.0	718.5	0.5	<500 - 550
					727.0	735.5	8.5	<500 - 13000
					754.5	756.5	2.0	<500 - 500
					760.0	774.0	14.0	<500 - 5600
					788.5	798.0	9.5	<500 - 21000
803.0	804.5	1.5	<500 - 1500					
807.5	817.5	10.0	<500 - 33000					
821.0	831.5	10.5	<500 - 29000					
839.5	840.0	0.5	<500 - 6200					
852.0	853.0	1.0	<500 - 30000					
858.0	859.0	1.0	<500 - 8300					

Parameters:

- Maximum internal dilution 2.00 m downhole
- All depths and intervals are meters downhole
- “Anomalous” means >500 cps (counts per second) total count gamma readings by gamma scintillometer type RS-120
- “Off-scale” means >10,000 cps (counts per second) total count gamma readings by gamma scintillometer type RS-120
- Where “Min cps” is <500 cps, this refers to local low radiometric zones within the overall radioactive interval

Natural gamma radiation in drill core reported in this news release was measured in counts per second (cps) using a Radiation Solutions Inc. RS-120 gamma-ray scintillometer. The reader is cautioned that total count gamma readings may not be directly or uniformly related to uranium grades of the rock sample measured; they should be used only as a preliminary indication of the presence of radioactive minerals. All intersections are downhole. Core interval measurements and true thicknesses are yet to be determined.

Split core samples will be taken systematically, and intervals will be submitted to SRC Geoanalytical Laboratories (an SCC ISO/IEC 17025: 2005 Accredited Facility) of Saskatoon for analysis. All samples sent to SRC will be analyzed using ICP-MS for trace elements on the partial and total digestions, ICP-OES for major and minor elements on the total digestion, and fusion solution of boron by ICP-OES. Mineralized samples are analyzed for U3O8 by ICP-OES and select samples for gold by fire assay. Assay results will be released when received.

ARROW ZONE DRILLING

AR-15-45b:

Hole AR-15-45b was drilled at an angled orientation (-75° dip) to the southeast (140° azimuth). It was designed to test the A2 shear at a 50 m up-plunge step-out from AR-15-44b (40.45 m of total composite off-scale radioactivity; assays pending) and the A3 shear at a 25m down-plunge step-out from AR-15-41 (24.52 m of total composite off-scale radioactivity; assays pending).

The hole intersected pervasively bleached and strongly desilicified Athabasca Group sandstones from 105.1 m to the unconformity at 113.8 m. Basement lithologies consisted largely of semipelitic gneiss to granofel, and relatively narrow intervals of pelitic gneiss and mylonite (the A2 and A3 shears). The hole successfully intersected widespread weakly to strongly anomalous radioactivity within the A2 and A3 shears that was associated with visible semi-massive to massive, veins, worm rock-style, chemical solution fronts, stringers, blebs, and flecks of pitchblende and coffinite mineralization with rare secondary uranium minerals. A total composite mineralization of 226.0 m including 9.80 m of off-scale radioactivity (>10,000 to 54,000 cps) was intersected within a 468.0 m section (391.0 to 859.0 m) before the hole was terminated at 888.9 m.

About NexGen

NexGen is a British Columbia corporation with a focus on the acquisition, exploration and development of Canadian uranium projects. NexGen has a highly experienced team of exploration professionals with a track record in the discovery of basement and unconformity-style uranium deposits in Canada.

NexGen owns a portfolio of highly prospective uranium exploration assets in the Athabasca Basin, Saskatchewan, Canada, including a 100% interest in Rook I, location of the Arrow Discovery, immediately adjacent to the northeast of the Fission/Alpha JV Patterson Lake South Discovery, and an option to earn a 70% interest in the Radio Project, immediately adjacent to Rio Tinto's Roughrider Deposit.

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 NexGen Energy Ltd., by Garrett Ainsworth, P.Geo., Vice President – Exploration & Development, a qualified person.

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Forward-Looking Information

This news release contains "forward-looking information" within the meaning of applicable Canadian securities laws. Generally, but not always, forward looking information is identifiable by the use of words such as "will" and "planned" and similar expressions. Forward-looking information is based on the then current expectations, beliefs, assumptions, estimates and forecasts about the Company's business and the industry and markets in which it operates. Such information is not a guarantee of future performance and undue reliance should not be placed on forward-looking information. Assumptions and factors underlying the Company's expectations regarding forward-looking information contained herein include, among others: that general business and economic conditions will not change in a material adverse manner; that financing will be available if and when needed on reasonable terms; that the Company's current exploration activities can be achieved and that its other corporate activities will proceed as expected; that third party contractors, equipment and supplies and governmental and other approvals required to conduct the Company's planned exploration activities will be available on reasonable terms and in a timely manner.

Although the assumptions made by the Company in providing forward looking information are considered reasonable by management at the time the forward-looking information is given, there can be no assurance that such assumptions will prove to be accurate. Forward-looking information also involves known and unknown risks and uncertainties and other factors, which may cause actual events or results in future periods to differ materially from any projections of future events or results expressed or implied by such forward-looking information, including, among others: risks related to the availability of financing on commercially reasonable terms and the expected use of the proceeds; changes in the market; potential downturns in economic conditions; industry conditions; actual results of exploration activities being different than anticipated; changes in exploration programs based upon results of exploration; future prices of metal; availability of third party contractors; availability of equipment and supplies; failure of equipment to operate as anticipated; accidents, effects of weather and other natural phenomena and other risks associated with the mineral exploration industry; environmental risks; changes in laws and regulations; community relations; and delays in obtaining governmental or other approvals or financing. There can be no assurance that forward-looking information will prove to be accurate, as actual results and future events could differ materially from those anticipated, estimated or intended. NexGen undertakes no obligation to update or reissue forward-looking information as a result of new information or events except as required by applicable securities laws. The reader is cautioned not to place undue reliance on forward-looking information.