IsoEnergy Drills 48.8% U3O8 over 5.0m in Southern Step-out Drill Hole LE20-64

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Drill Program Expanded to Test High-Grade Extensions of "J" Fault Open to the South and to the East

VANCOUVER, Oct. 13, 2020 - IsoEnergy Ltd. ("IsoEnergy" or the "Company") (TSXV: ISO) (OTCQX: ISENF) is please additional chemical assays from the summer drilling program at the Hurricane zone. The Hurricane zone is a recent dis high-grade uranium mineralization on the Company's 100% owned Larocque East property (the "Property") in the Easte Athabasca Basin of Saskatchewan (Figure 1).

Highlights:

- Chemical assays from drill hole LE20-64 returned 5.0m of 48.8% U_3O_8, including 4.0m of 57.5% U_3O_8
- Chemical assays from drill hole LE20-62 returned 4.5m of 6.2% U_3O_8, including 2.5m of 11.1% U_3O_8
- Chemical assays from drill hole LE20-57 returned 10.0m of 11.7% U_3O_8, including 2.5m of 46.0% U_3O_8
- Mineralization on this north-south section (4435E) now measures at least 48m in width and is open to the south
- Drilling has now expanded the zone of intense mineralization over 30m to the south, almost to the "J" fault
- The "J" fault is parallel to the other main mineralized "H" and "I" faults, and is wide open to the east for at least 20
- Drilling operations have now resumed after a scheduled two-week break
- The program has been expanded to 24 drill holes (from 20) due to the success to date – 10 holes remain t

Craig Parry, Chief Executive Officer commented: "I'm very impressed by the efforts of our Technical team and the resul delivered. The grades and thicknesses of these intersections confirm that IsoEnergy is currently drilling one of the most new Eastern Athabasca uranium discoveries in many years."

Steve Blower, Vice President of Exploration commented: "The chemical assays for drill holes LE20-57, 62 and 64 confi excellent potential to expand high-grade mineralization to the south at the Hurricane zone. Now that we've resumed ou program after the break, I'm looking forward to the remaining drilling results as we focus our efforts on the southern ext area."

LE20-64 Assays

Drill hole LE20-64 (Figures 2 and 3) intersected an upper 3.5m thick layer of weak uranium mineralization from 316.5-3 averages 0.3% U_3O_8. This was followed by a 5.0m thick interval of strong mineralization from 324.0-329.0m that averag $_3O_8$. Included in this interval is 4.0m of intensely radioactive mineralization greater than 30,000 CPS (RS-125) that aver U_3O_8. Mineralization on this north-south section (4435E) now measures at least 48m in width, and is open to the south. results, the summer drilling has now expanded the zone of intense mineralization over 30m to the south, almost to the " "J" fault is parallel to the other main mineralized "H" and "I" faults, and is wide open to the east for at least 200m. Table summarizes the summer 2020 drilling results to date.

LE20-62 Assays

Drill hole LE20-62 (Figures 2 and 3) intersected an upper 2.5m thick interval of weak uranium mineralization from 314.0 that averages 0.2% U_3O_8, followed by a 4.5m thick interval of strong mineralization from 321.0-325.5m that averages 6 Included in this lower interval is 2.5m of intensely radioactive mineralization that averages 11.1% U_3O_8. A 0.5m sub-int was off-scale on the RS-125 hand-held scintillometer averages 29.0% U_3O_8. As with all drill holes to date at the Hurrica the mineralization is located at the sub-Athabasca unconformity.

LE20-57 Assays

Completed on the same 4435E section as LE20-62 and 64 (Figures 2 and 3), drill hole LE20-57 intersected 10.0m of u

mineralization from 343.8-353.8m that averages 11.7% U_3O_8 over 10.0m. Included in this interval is 2.5m of very strong radioactive mineralization that averages 46.0% U_3O_8. The mineralization is located at the sub-Athabasca unconformity, intersected at approximately 349.0m.

Other Drill Holes

Assay results have also been received for drill holes LE20-58C1, 59, 60, 61 and 63A. All of these drill holes were comp eastern side of the Hurricane zone and intersected weak uranium mineralization. The assays are summarized in Table drill hole locations are shown on Figure 2.

Three additional drill holes (LE20-65, 66 and 67) were completed before the scheduled break. Two of these (65 and 66 completed by Drill 2 on the eastern side of the Hurricane zone. Drill hole LE20-66 intersected one metre of weak uraniu mineralization, while LE20-65 was unmineralized. The third drill hole, LE20-67, was completed on the north end of sect on the western side of the Hurricane zone, 17m northeast of strongly mineralized drill hole LE20-34. LE20-67 intersecte weak uranium mineralization at the sub-Athabasca unconformity. Chemical assays for these drill holes are pending.

Next Steps

Expansion of the western Hurricane zone mineralization to the south will be the primary focus of the remaining 10 holes program. Samples collected from the drilling completed to date are periodically shipped to the analytical laboratory in S Chemical assay results generally follow within three to four weeks of the shipping dates.

The Larocque East Property and the Hurricane Zone

The 100% owned Larocque East property consists of 31 mineral claims totaling 15,878ha that are not encumbered by a or other interests. Larocque East is immediately adjacent to the north end of IsoEnergy's Geiger property and is 35km n Orano Canada's McClean Lake uranium mine and mill.

Along with other target areas, the Property covers a 15-kilometre-long northeast extension of the Larocque Lake condu a trend of graphitic metasedimentary basement rocks that is associated with significant uranium mineralization at the H zone, and in several occurrences on Cameco Corp. and Orano Canada Inc.'s neighbouring property to the southwest o East. The Hurricane zone was discovered in July 2018 and was followed up with 29 drill holes in 2019 and an additiona holes to date in 2020. Dimensions are currently 575m along-strike, 40m wide, and up to 11m thick. The zone is open fo along-strike to the east and on most sections. Mineralization is polymetallic and commonly straddles the sub-Athabasca unconformity 320 m below surface. The best intersection to date is 33.9% U_3O_8 over 8.5m in drill hole LE20-34. Drilling Corp.'s Larocque Lake zone on the neighbouring property to the southwest has returned historical intersections of up to $_8$ over 7.0m in drill hole Q22-040. Like the nearby Geiger property, Larocque East is located adjacent to the Wollaston- transition zone - a major crustal suture related to most of the uranium deposits in the eastern Athabasca Basin. Importa sandstone cover on the Property is thin, ranging between 140m and 330m in previous drilling.

Table 1 – Summer 2020 Drilling Program Results

Hole-ID	From (m)	To (m)	Length (m)	Radioactivity[1,2] (CPS)	Chemical Assays U_3O_8 (%)	Ni (%)	Orientation (Azm/Dip)	Location
LE20-54[3,4]	329.5	338.5	9.0	>500	12.8	3.9	180/-79	Sect 4510E
incl.	333.0	337.0	4.0	>30,000	27.1	5.2		
incl.	334.0	334.5	0.5	Off-scale[5]	52.5	1.6		
LE20-55[3]	No significant mineralization						180/-70	Sect 4785E
LE20-56[3]	351.0	358.5	7.5	>500	0.1	0.1	180/-70	Sect 4660E
LE20-57[3]	343.8	353.8	10.0	>500	11.7	0.3	217/-70	Sect 4435E
Incl.	347.3	349.8	2.5	>40,000	46.0	1.0		
Incl.	347.8	348.3	0.5	Off-scale[5]	65.9	0.7		
LE20-58	Abandoned before target						180/-69	Sect 4785E
LE20-58C1[3,6]	144.0	146.5	2.5	>500	0.2	0.1	180/-71	Sect 4785E
LE20-59[3]	342.0	347.0	5.0	>500	0.2	0.2	112/-69	Sect 4610E
Incl.	345.0	345.5	0.5	>5,000	0.9	0.2		
LE20-60	No significant mineralization						000/-90	Sect 4660E
LE20-61[3]	313.0	322.0	9.0	>500	0.3	0.0	000/-90	Sect 4660E
incl.	321.5	322.0	0.5	>10,000	1.4	0.2		
LE20-62[3]	314.0	316.5	2.5	>500	0.2	0.0	000/-90	Sect 4435E
and	321.0	325.5	4.5	>500	6.2	0.5		
incl.	323.0	325.5	2.5	>30,000	11.1	0.3		
incl.	324.5	325.0	0.5	Off-scale[5]	29.0	0.3		
LE20-63A[3]	No significant mineralization						180/-85	Sect 4660E
LE20-64[3]	316.5	320.0	3.5	>500	0.3	0.1	000/-90	Sect 4435E
and	324.0	329.0	5.0	>500	48.8	1.1		
incl.	324.5	328.5	4.0	>30,000	57.5	1.3		
LE20-65	No significant mineralization						000/-90	Sect 4610E
LE20-66	323.0	324.0	1.0	>500	Pending		000/-90	Sect 4785E
LE20-67	327.5	329.5	2.0	>500	Pending		000/-90	Sect 4435E

Notes:	1. Radioactivity is total gamma from drill core measured with an RS-125 hand-held spectrometer
	2. Measurements of total gamma on drill core are an indication of uranium content, but may not correlate with chemical assays
	3. Radioactivity previously disclosed
	4. Radioactivity and chemical assays previously disclosed
	5. Off-scale radioactivity is defined as exceeding 65,536 cps, the maximum measurable by an RS-125 spectrometer
	6. LE20-58G1 is a wedged off cut from LE20-58 at 200m

Figure 1 – Larocque East Property Map

Figure 2 – Hurricane Zone Drill Hole Location Map

Figure 3 – Vertical Cross-Section 4435E (Drill Holes LE20-57, 62 and 64)

Qualified Person Statement

The scientific and technical information contained in this news release was prepared by Andy Carmichael, P.Geo., IsoEnergy's Senior Geologist, who is a "Qualified Person" (as defined in NI 43-101 – Standards of Disclosure for Mineral Projects). Mr. Carmichael has verified the data disclosed. All radioactivity measurements reported herein are total gamma from an RS-125 hand-held spectrometer. As mineralized drill holes at the Hurricane zone are oriented very steeply (-70 to -90 degrees) into a zone of mineralization that is interpreted to be horizontal, the true thickness of the intersections is expected to be greater than or equal to 90% of the core lengths. This news release refers to properties other than those in which the Company has an interest. Mineralization on those other properties is not necessarily indicative of mineralization on the Company's properties. All chemical analyses are completed for the Company by SRC Geoanalytical Laboratories in Saskatoon, SK. For additional information regarding the Company's Larocque East Project, including its quality assurance and quality control procedures, please see the Technical Report dated effective May 15, 2019, on the Company's profile at www.sedar.com.

About IsoEnergy

IsoEnergy is a well-funded uranium exploration and development company with a portfolio of prospective projects in the eastern Athabasca Basin in Saskatchewan, Canada. The Company recently discovered the high-grade Hurricane Zone of uranium mineralization on its 100% owned Larocque East property in the Eastern Athabasca Basin. IsoEnergy is led by a Board and Management team with a track record of success in uranium exploration, development and operations. The Company was founded and is supported by the team at its major shareholder, NexGen Energy Ltd.

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Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in the forward-looking information or implied by forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that forward-looking information and statements will prove to be accurate, as actual results and future events could differ materially from those anticipated, estimated or intended. Accordingly, readers should not place undue reliance on forward-looking statements or information. The Company 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

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