

IsoEnergy Intersects Strongest Uranium Mineralization to Date at the Hurricane Zone

10.02.2020 | [CNW](#)

Drill holes LE20-34 and LE20-32A both intersected thick intervals of semi-massive to massive pitchblende marking the significant intercepts to date

VANCOUVER, Feb. 10, 2020 - [IsoEnergy Ltd.](#) ("IsoEnergy" or the "Company") (TSXV: ISO; OTCQX: ISENF) is pleased to announce two new intersections of strong radioactivity in initial drill holes of the winter drilling program at the Hurricane zone. The zone is a new discovery of high-grade uranium mineralization on the Company's 100% owned Larocque East property ("Property") in the Eastern Athabasca Basin of Saskatchewan (Figure 1).

Highlights:

- Drill hole LE20-34 intersected 8.5m of uranium mineralization (>500CPS on the RS-125 hand-held spectrometer, "RS-125"), including 2.0m of massive to semi-massive pitchblende measuring >65,000CPS (off-scale on the RS-125), the most significant and strongest mineralization drilled to date on the property.
- Drill hole LE20-32A also intersected 8.5m of uranium mineralization (>500CPS RS-125), including 1.5m of massive to semi-massive pitchblende measuring >65,000CPS (off-scale on the RS-125).
- The two drill holes are located on the west end of the Hurricane zone, approximately 75m apart.
- Geochemical assays are expected within four weeks.
- The Company remains well-funded with over C\$6 million in the treasury.

Craig Parry, Chief Executive Officer commented: "I want to congratulate our technical team and particularly our field crew for efficiently delivering outstanding drill results early in this drilling program. Holes LE20-34 and LE20-32A include thick intervals of off-scale mineralization confirming these as our best drill results to date and we eagerly await the assay results. These great drill results come at a promising time for the sector as the market fundamentals for uranium move towards higher prices."

Steve Blower, Vice President of Exploration commented: "It is gratifying to see these substantial thicknesses of strong uranium mineralization in the drill core from Drill 1 early in our winter program. The results bode well for additional drill holes in the campaign, particularly on the western side of the Hurricane zone. I'm also encouraged by the alteration, structure and elevated radioactivity that we're seeing at Drill 2, well east of the current Hurricane zone footprint."

Drill Hole LE20-34 (Drill 1)

Drill hole LE20-34 was completed as a 25m step-out along-strike to the west of drill hole LE20-30, which was the first drill hole of this winter 2020 campaign (see news release dated February 4, 2020). LE20-34 intersected strongly altered sandstone intersecting 8.5m of uranium mineralization >500CPS (RS-125) from 326.0 to 334.5m (Figures 2 and 3). The interval includes a substantial 2.0m interval of semi-massive to massive black and brown pitchblende that is off-scale on the RS-125 (>65,000CPS). Mineralization straddles the sub-Athabasca unconformity and is shown in a core photo in Figure 4. Table 1 summarizes uranium mineralization intersected to date in the current program.

Drill Hole LE20-32A (Drill 1)

The objective of drill hole LE20-32A was to test a 50m along-strike gap between 2019 mineralized drill holes LE19-09 (4.2% U₃O₈, 1.1% Ni, 0.8% Co) and LE19-12 (8.5m @ 3.2% U₃O₈, 2.1% Ni, 0.2% Co). Drill hole LE20-32A intersected strongly altered sandstone before intersecting 8.5m of uranium mineralization >500CPS (RS-125) from 329.5-338.0m (Figures 5 and 6). Similar to LE20-34, the interval includes 1.5m of semi-massive to massive black pitchblende that is off-scale on the RS-125 (>65,000CPS). Figure 6 is a core photo showing the mineralized interval.

Drill Holes LE20-31 and LE20-33 (Drill 2)

Encouraging initial results have been received from Drill 2, 200m east of the current Hurricane zone footprint. A newly mapped graphitic structural zone was observed in core from drill hole LE20-31, which is likely responsible for the alteration and mineralization observed in the summer of 2019 in drill hole LE19-26. This new structural zone sits north of the Hurricane zone trend and is interpreted to be the west end of a strongly graphitic, highly prospective corridor that stretches several kilometres to the east. Drill hole LE20-33 targeted the new structure at the unconformity but likely overshot the zone, despite intersecting strong sandstone alteration and elevated radioactivity just above the unconformity. Drilling continues on this section.

Next Steps

Drill 1 will remain on the west end of the Hurricane zone, continuing to test the current footprint of the zone and extending mineralization to the property boundary and to the north and south where it remains open. Assay results from drill holes LE20-32 and LE20-34 are expected within four weeks. Drill 2 will continue to evaluate the potential to expand the zone to the east. Results of this 20-hole program will be reported periodically throughout the winter drill season.

The Larocque East Property and the Hurricane Zone

The 100% owned Larocque East property consists of 20 mineral claims totaling 8,371 ha and is not encumbered by any mortgages or other interests. Larocque East is immediately adjacent to the north end of IsoEnergy's Geiger property and is 35 km north of 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 conductive system; a trend of graphitic metasedimentary basement rocks that is associated with significant uranium mineralization on the Hurricane zone, and in several occurrences on Cameco Corp.'s neighbouring property to the southwest of Larocque East. The Hurricane zone was discovered in July, 2018 and was followed up with a 12-hole drilling campaign in the winter of 2019 and a recently completed 17-hole summer 2019 drilling campaign. Dimensions are currently 550m along-strike, 40m wide and 10m thick. The zone is open for expansion along-strike and on most sections. Mineralization is polymetallic and commonly associated with the sub-Athabasca unconformity 320 m below surface. Previous to these results, the best intersection to date was 5.4% U_3O_8 over 7.0m in drill hole LE19-16A. Drilling at Cameco Corp.'s Larocque Lake zone on the neighbouring property to the southwest returned historical intersections of up to 29.9% U_3O_8 over 7.0 m in drill hole Q22-040. Like the nearby Geiger property, Larocque East is located adjacent to the Wollaston-Mudjatik transition zone - a major crustal suture related to most of the uranium mineralization in the eastern Athabasca Basin. Importantly, the sandstone cover on the Property is thin, ranging between 140 m and 300 m, as determined from previous drilling. In addition to the Hurricane zone discovery, four historical drill holes have intersected weak uranium mineralization at other locations on the Property to date.

Table 1 – 2020 Larocque East Drilling Results

Hole-ID	From (m)	To (m)	Length (m)	Orientation (Az/Dip)	Radioactivity ^{1,2} (CPS)	Chemical Assays U ₃ O ₈ (%) Ni (%) Co (%)	Location
LE20-30 ³	329.5	335.0	5.5	180/-80	>500	Pending	Section 4460E
incl.	331.0	331.5	0.5		>10,000	Pending	
and	332.0	333.5	1.5		>20,000	Pending	
LE20-31	No significant mineralization				180/-60		Section 5185E
LE20-32A	329.5	338.0	8.5	180/-80	>500	Pending	Section 4510E
incl.	334.5	337.0	2.5		>20,000	Pending	
incl.	335.0	336.5	1.5		Off-scale ⁴	Pending	
LE20-33	No significant mineralization				000/-90		Section 5185E
LE20-34	326.0	334.5	8.5	180/-80	>500	Pending	Section 4435E
incl.	328.0	333.0	5.0		>20,000	Pending	
incl.	329.5	331.5	2.0		Off-scale ⁴	Pending	

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. Off-scale radioactivity is defined as exceeding 65,536 cps, the maximum measurable by an RS-125 spectrometer

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 (-80 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.](http://www.nexgenenergy.com)

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<https://www.rohstoff-welt.de/news/344114-IsoEnergy-Intersects-Strongest-Uranium-Mineralization-to-Date-at-the-Hurricane-Zone.html>

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