Appia Reports New Assay Results Increasing the Total Weighted Average to 2,287 PPM TREO Across 57 RC Drill Holes at its PCH Ionic Clay Project, Brazil

written by Raj Shah | November 9, 2023

November 9, 2023 (Source) – **Appia Rare Earths & Uranium Corp. (CSE: API) (OTCQX: APAAF) (FSE: A0I0.F) (FSE: A0I0.MU) FSE: A0I0.BE) (the "Company" or "Appia")** is pleased to announce the outstanding assay results from the latest 39 drill holes, part of a comprehensive 147-hole Reverse Circulation (RC) drilling program. **The total weighted average across 57 RC drill holes reported to date is 2,287 parts per million (PPM) or 0.23% Total Rare Earth Oxides (TREO).** The PCH Ionic Clay Project continues to showcase impressive distribution, width, and grades, underscoring its significant potential.

Summary:

- **Overall Grade:Total weighted average of 2,287 parts per million (PPM) or 0.23% Total Rare Earth Oxides (TREO) across 57 RC drill holes reported to date, including:542 ppm or 0.054% Magnet Rare Earth Oxides (MREO), and167 ppm or 0.017% Heavy Rare Earth Oxides (HREO).**
- **Highest-Grade Intercepts:PCH-RC-051 from 0 to 11m End of Hole (EOH):9,279 ppm or 0.93% TREO, and 2,138 ppm or 0.21% MREO, and 464 ppm or 0.046% HREO, including:14,166 ppm or**

1.42 % TREO across 4m (from 3m to 7m) with 3,217.05 ppm or 0.32% MREO, and 662 ppm or 0.066% HREO, and10,098 ppm or 1.01% TREO across 3m (from 8m to 11m EOH) with 2,483 ppm or 0.25% MREO and 550 ppm or 0.05% HREO.PCH-RC-063 from 0 to 24m EOH27,189 ppm or 2.72% TREO, 6,293 ppm or 0.63% MREO, 1,369 ppm or 0.14% HREO, and 25,819 ppm or 2.59% Light Rare Earth Oxides (LREO). (Previously reported. See October 31, 2023 Press Release.)

“Appia has doubled the average depth of the mineralized zones to over 13 metres, and we now have a total weighted average of 2,287 ppm TREO across all reported drill holes each with significant magnet elements present,” commented Stephen Burega, President. “With this set of results, we can see that the potential of Target IV in terms of distribution, grade, and thickness of mineralization is well beyond our initial expectations.”

“Results from holes like PCH-RC-063 and PC-RC-051 with very high-grade mineralization further validate our understanding and excitement of the project’s geology,” commented Carlos Bastos, Geology Manager and Appia’s Brazilian Qualified Person.

“It is very encouraging for Appia to see more high-grade results occurring within the Target IV area,” stated Tom Drivas, CEO. “Appia will be working with SGS Geological Services to complete a comprehensive NI 43-101 technical report and Mineral Resource Estimate (MRE) on Target IV over the coming months, capitalizing on the promising results we are getting from our recent drilling.”

Appia will provide timely updates to shareholders and the general public as assay results are received from the remaining 90 RC, 106 Auger, and 1 diamond drill holes. The following tables exclude results from the pending 6 RC holes yet to be

received by the Company – RC-PCH-053, 054, 057, 058, 061, and 062.

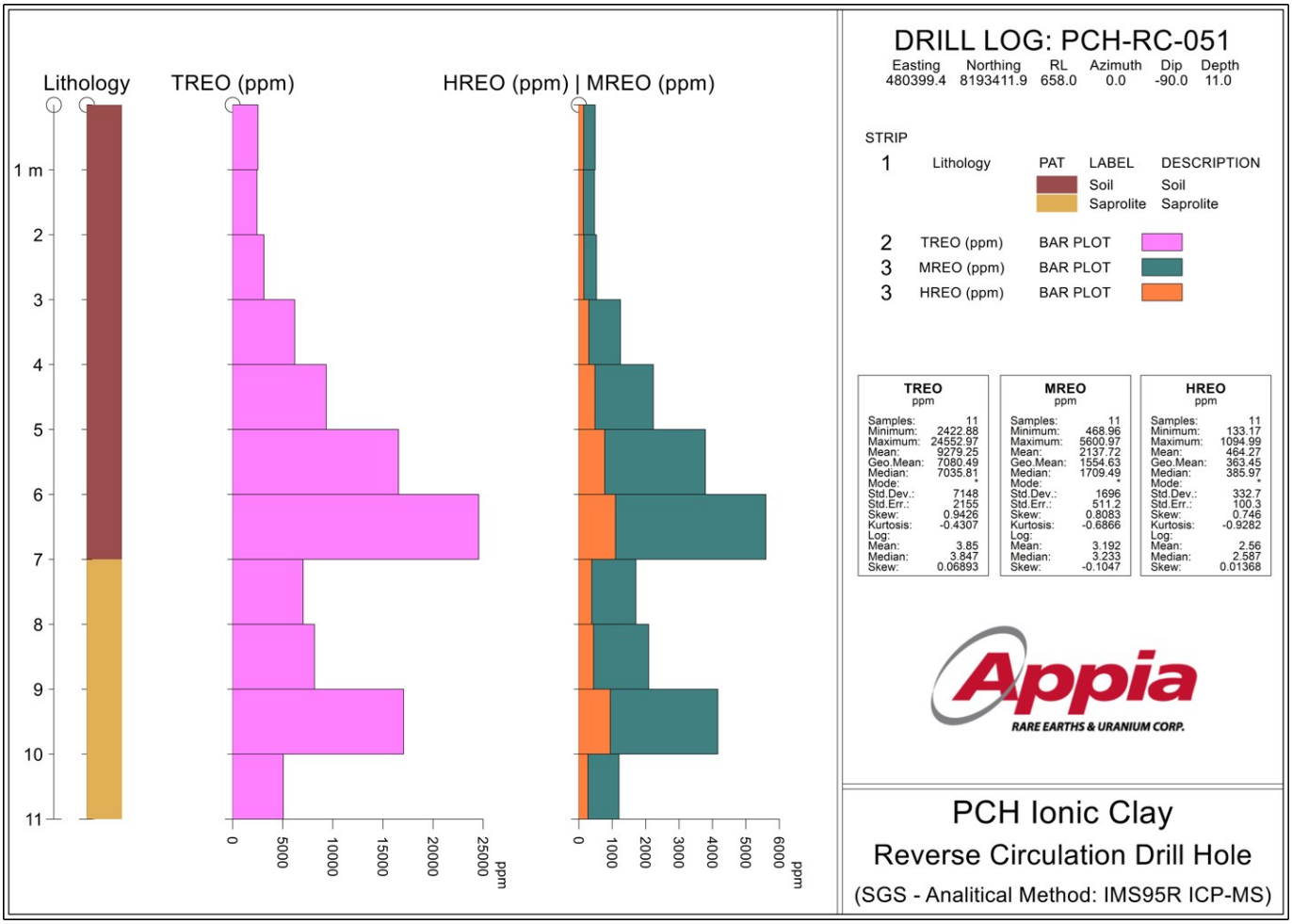


Chart #1 – PCH-RC-051 Drill Log

To view an enhanced version of this graphic, please visit: https://images.newsfilecorp.com/files/5416/186737_93cfdbbef4fcd866_005full.jpg

Reverse Circulation Composite Assay (PPM) by SGS Geosol								
Hole ID	From	To	Width	TREO	MREO	HREO	MREO/TREO	HREO/TREO
PCH-RC-001	0.0	15.0	15.0	1,915	510	292	27%	15%
Including	**2.0**	**11.0**	**9.0**	**2,300**	**632**	**366**	**27%**	**16%**
PCH-RC-002	0.0	15.0	15.0	2,671	606	220	23%	8%
Including	**8.0**	**14.0**	**6.0**	**5,389**	**1,190**	**412**	**23%**	**8%**
PCH-RC-003	0.0	11.0	11.0	488	132	68	27%	14%
PCH-RC-004	0.0	10.0	10.0	427	115	61	27%	14%
PCH-RC-005	0.0	15.0	15.0	518	143	70	28%	14%
PCH-RC-006	0.0	15.0	15.0	383	105	55	27%	14%
PCH-RC-007	0.0	14.0	14.0	943	250	119	26%	13%
PCH-RC-008	0.0	18.0	18.0	2,752	741	404	27%	15%
Including	**2.0**	**17.0**	**15.0**	**3,084**	**839**	**460**	**27%**	**15%**
PCH-RC-009	0.0	15.0	15.0	3,277	805	252	25%	8%
Including	**1.0**	**13.0**	**12.0**	**3,594**	**886**	**275**	**24%**	**8%**
PCH-RC-010	0.0	12.0	12.0	1,050	260	101	25%	10%
PCH-RC-011	0.0	15.0	15.0	3,717	913	286	25%	8%
Including	**0.0**	**11.0**	**11.0**	**4,182**	**1,035**	**327**	**25%**	**8%**
PCH-RC-012	0.0	11.0	11.0	867	216	89	25%	10%
Including	**0.0**	**2.0**	**2.0**	**1,557**	**308**	**112**	**20%**	**7%**
PCH-RC-013	0.0	14.0	14.0	1,039	226	73	22%	7%
Including	**0.0**	**6.0**	**6.0**	**1,280**	**275**	**90**	**24%**	**8%**
PCH-RC-014	0.0	12.0	12.0	804	192	71	24%	9%
Including	**1.0**	**5.0**	**4.0**	**1,408**	**310**	**111**	**22%**	**8%**
PCH-RC-015	0.0	13.0	13.0	1,530	393	156	26%	10%
Including	**0.0**	**9.0**	**9.0**	**1,824**	**485**	**196**	**29%**	**12%**
PCH-RC-016	0.0	9.0	9.0	1,077	258	102	24%	10%
Including	**0.0**	**6.0**	**6.0**	**1,362**	**320**	**123**	**26%**	**10%**
PCH-RC-017	0.0	9.0	9.0	1,550	313	110	20%	7%

Table #1 – Denotes weighted average chemical assay results of composites RC samples from PCH-RC-001 to PCH-RC-017.
(Previously reported. See October 16, 2023 Press Release – Click Here)

To view an enhanced version of this graphic, please visit:
https://images.newsfilecorp.com/files/5416/186737_appia1.jpg

Reverse Circulation Composite Assay (PPM) by SGS Geosol								
Hole ID	From	To	Width	TREO	MREO	HREO	MREO/TREO	HREO/TREO
PCH-RC-018	0.0	18.0	18.0	1,677	363	112	22%	7%
Including	**2.0**	**14.0**	**12.0**	**1,812**	**395**	**122**	**22%**	**7%**
PCH-RC-019	0.0	5.0	5.0	1,655	384	127	23%	8%
PCH-RC-020	0.0	7.0	7.0	1,001	217	81	23%	9%
Including	**0.0**	**2.0**	**2.0**	**1,327**	**219**	**81**	**17%**	**6%**
PCH-RC-021	0.0	18.0	18.0	1,005	229	79	25%	9%
Including	**6.0**	**14.0**	**8.0**	**1,378**	**296**	**91**	**23%**	**8%**
PCH-RC-022	0.0	16.0	16.0	560	161	79	29%	15%
PCH-RC-023	0.0	15.0	15.0	1,287	320	140	25%	11%
Including	**3.0**	**15.0**	**12.0**	**1,402**	**347**	**155**	**25%**	**11%**
PCH-RC-024	0.0	10.0	10.0	862	198	64	23%	8%
Including	**5.0**	**7.0**	**2.0**	**1,238**	**275**	**74**	**22%**	**6%**
PCH-RC-025	0.0	16.0	16.0	549	138	56	26%	11%
PCH-RC-026	0.0	21.0	21.0	1,042	222	85	25%	11%
Including	**17.0**	**19.0**	**2.0**	**3,452**	**651**	**159**	**19%**	**5%**
PCH-RC-027	0.0	15.0	15.0	1,080	235	101	24%	11%
Including	**0.0**	**6.0**	**6.0**	**1,621**	**312**	**121**	**21%**	**8%**
PCH-RC-028	0.0	14.0	14.0	685	174	88	26%	13%
PCH-RC-029	0.0	16.0	16.0	685	181	84	28%	14%
Including	**1.0**	**4.0**	**3.0**	**1,229**	**240**	**99**	**19%**	**8%**
PCH-RC-030	0.0	15.0	15.0	469	138	67	30%	14%
PCH-RC-031	0.0	14.0	14.0	597	157	67	26%	11%
PCH-RC-032	0.0	12.0	12.0	431	127	69	29%	16%
PCH-RC-033	0.0	15.0	15.0	446	120	65	28%	15%
PCH-RC-034	0.0	13.0	13.0	1,432	359	140	26%	11%
Including	**8.0**	**12.0**	**4.0**	**2,955**	**739**	**282**	**25%**	**10%**
PCH-RC-035	0.0	5.0	5.0	2,366	426	124	20%	7%
PCH-RC-036	0.0	5.0	5.0	1,272	278	99	22%	8%
PCH-RC-037	0.0	9.0	9.0	1,444	308	102	21%	7%
PCH-RC-038	0.0	10.0	10.0	1,081	182	59	17%	6%
Including	**7.0**	**10.0**	**3.0**	**1,449**	**210**	**56**	**16%**	**5%**
PCH-RC-039	0.0	27.0	27.0	2,164	508	137	23%	7%
Including	**2.0**	**5.0**	**3.0**	**1,303**	**256**	**90**	**20%**	**7%**
Including	**6.0**	**27.0**	**21.0**	**2,454**	**588**	**153**	**24%**	**6%**
PCH-RC-040	0.0	15.0	15.0	3,900	884	229	22%	7%
Including	**3.0**	**6.0**	**3.0**	**7,984**	**1,858**	**398**	**23%**	**5%**
Including	**10.0**	**15.0**	**5.0**	**4,329**	**983**	**267**	**23%**	**7%**
PCH-RC-041	0.0	11.0	11.0	671	179	69	27%	10%
PCH-RC-042	0.0	11.0	11.0	671	157	63	24%	10%

Table #2 – Denotes weighted average chemical assay results of

composites RC samples from PCH-RC-018 to PCH-RC-042.

To view an enhanced version of this graphic, please visit: https://images.newsfilecorp.com/files/5416/186737_appiat2.jpg

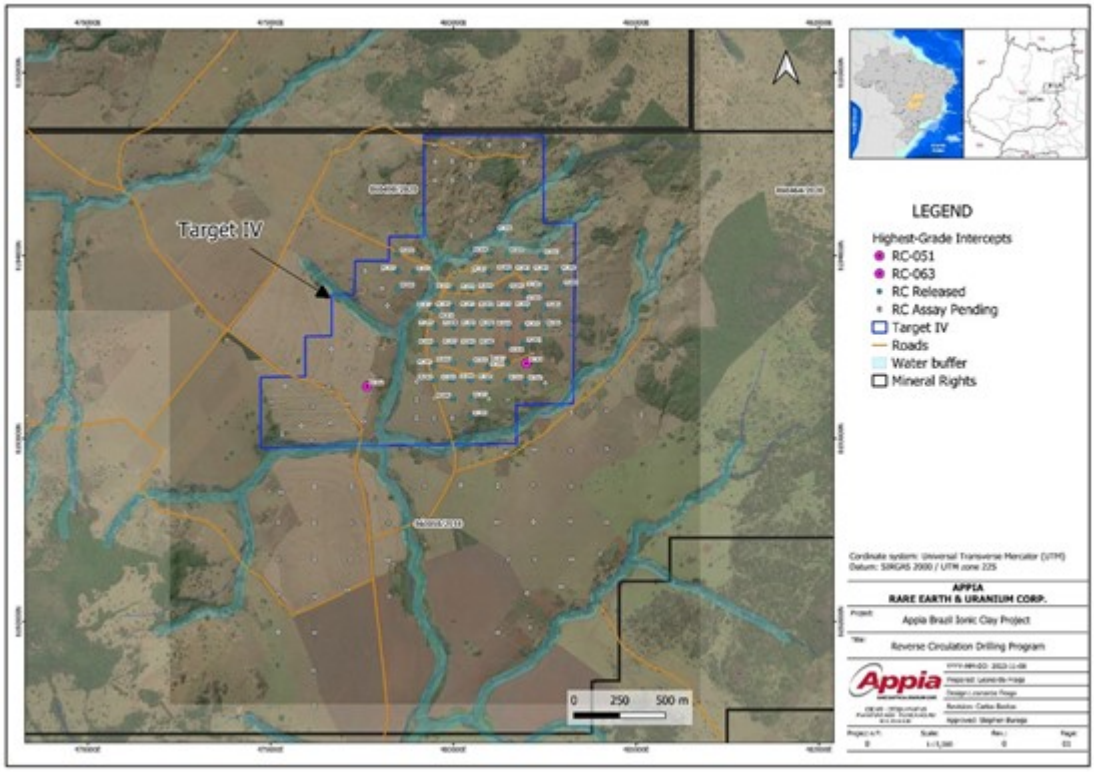
Reverse Circulation Composite Assay (PPM) by SGS Geosol								
Hole ID	From	To	Width	TREO	MREO	HREO	MREO/TREO	HREO/TREO
PCH-RC-043	0.0	13.0	13.0	1,749	357	99	21%	6%
Including	**0.0**	**11.0**	**11.0**	**1,939**	**395**	**108**	**21%**	**6%**
PCH-RC-044	0.0	11.0	11.0	1,147	263	83	23%	8%
Including	**6.0**	**8.0**	**2.0**	**2,624**	**584**	**173**	**22%**	**7%**
PCH-RC-045	0.0	12.0	12.0	1,350	318	132	24%	10%
Including	**0.0**	**3.0**	**3.0**	**1,485**	**193**	**68**	**14%**	**5%**
Including	**5.0**	**8.0**	**3.0**	**1,887**	**552**	**245**	**29%**	**13%**
PCH-RC-046	0.0	9.0	9.0	564	136	59	25%	11%
PCH-RC-047	0.0	10.0	10.0	1,076	273	114	25%	10%
Including	**4.0**	**8.0**	**4.0**	**1,619**	**452**	**193**	**29%**	**13%**
PCH-RC-048	0.0	7.0	7.0	698	176	74	26%	11%
PCH-RC-049	0.0	9.0	9.0	791	199	89	26%	12%
PCH-RC-050	0.0	11.0	11.0	807	222	95	28%	12%
Including	**3.0**	**6.0**	**3.0**	**1,242**	**391**	**165**	**31%**	**13%**
PCH-RC-051	0.0	11.0	11.0	9,279	2,138	464	22%	5%
Including	**3.0**	**7.0**	**4.0**	**14,166**	**3,217**	**662**	**22%**	**5%**
Including	**8.0**	**11.0**	**3.0**	**10,098**	**2,483**	**550**	**25%**	**5%**
PCH-RC-052	0.0	12.0	12.0	920	262	110	29%	13%
Including	**0.0**	**3.0**	**3.0**	**1,241**	**295**	**102**	**24%**	**8%**
PCH-RC-055	0.0	11.0	11.0	1,560	452	162	28%	10%
Including	**1.0**	**3.0**	**2.0**	**1,398**	**381**	**151**	**27%**	**11%**
Including	**4.0**	**8.0**	**4.0**	**2,152**	**662**	**216**	**30%**	**10%**
PCH-RC-056	0.0	11.0	11.0	1,471	358	122	25%	9%
Including	**2.0**	**7.0**	**5.0**	**2,173**	**528**	**167**	**25%**	**8%**
PCH-RC-059	0.0	12.0	12.0	1,811	429	120	25%	7%
Including	**0.0**	**6.0**	**6.0**	**2,116**	**494**	**130**	**23%**	**6%**
Including	**10.0**	**12.0**	**2.0**	**3,162**	**733**	**207**	**24%**	**7%**
PCH-RC-060	0.0	5.0	5.0	2,060	516	148	25%	7%
PCH-RC-063	0.0	24.0	24.0	27,189	6,293	1,369	22%	5%

Table #3 – Denotes weighted average chemical assay results of composites RC samples from PCH-RC-043 to PCH-RC-063. (Hole PCH-RC-063 was previously reported. See October 31, 2023 Press Release – Click Here)

To view an enhanced version of this graphic, please visit: https://images.newsfilecorp.com/files/5416/186737_appiat3.jpg

TREO = ([CeO2 ppm] + [Dy2O3 ppm] + [Er2O3 ppm] + [Eu2O3 ppm] + [Gd2O3 ppm] + [Ho2O3 ppm] + [La2O3 ppm] + [Lu2O3] ppm] + [Nd2O3 ppm] + [Pr6O11 ppm] + [Sm2O3 ppm] + [Tb4O7 ppm] + [Tm2O3 ppm] + [Yb2O3 ppm]). **MREO** = ([Dy2O3 ppm] + [Pr6O11 ppm] + [Nd2O3 ppm] + [Sm2O3 ppm] + [Tb4O7 ppm]).**HREO** = [Dy2O3 ppm] + [Er2O3 ppm] + [Eu2O3 ppm] + [Gd2O3 ppm] + [Ho2O3 ppm] + [Lu2O3] ppm] + [Sm2O3 ppm] + [Tb4O7 ppm] + [Tm2O3 ppm] + [Yb2O3 ppm]).

For a full list of all assays released to date – PLEASE CLICK HERE



Map #1 – Location of Reverse Circulation Drilling Program, PCH Project, Goias, Brazil

To view an enhanced version of this graphic, please visit: https://images.newsfilecorp.com/files/5416/186737_map1.jpg

Table #4. For a full listing of drill hole collar details –

SIRGAS 2000 – UTM zone 22S. Please click here.

Background on the PCH Project

The PCH Project is located within the Tocantins Structural Province in the Brasília Fold Belt, more specifically, the Arenópolis Magmatic Arc. The PCH Project is 17,551.07 ha in size and located within the Goiás State of Brazil. It is classified as an alkaline intrusive rock occurrence with highly anomalous REE and Niobium mineralization. This mineralization is related to alkaline lithologies of the Fazenda Buriti Plutonic Complex and the hydrothermal and surface alteration products of this complex by supergene enrichment in a tropical climate. The positive results of the recent geochemical exploration work carried out to date indicates the potential for REEs within lateritic ionic adsorption clays and Niobium.

QA/QC

Reverse circulation (RC) drill holes are vertical and reported intervals are true widths. Each are sampled at one metre intervals, resulting in higher average sample sizes of 5-25 kg. A small representative specimen was taken from each sample bag and placed into a chip tray for visual inspection and logging by the geologist. Quartering was performed at Appia's logging facility using a riffle splitter and continued splitting until a representative sample weighing approximately 500g each was obtained, bagged in a resistant plastic bag, labeled, photographed, and stored for shipment.

The samples were sent to the SGS laboratory in Vespasiano, Minas Gerais. In addition to the internal QA/QC of the SGS Lab, Appia has used its own control samples in each batch sent to the laboratory.

Quality control samples, such as blanks, duplicates, and

standards (CRM) were inserted into each analytical run. For all analysis methods, the minimum number of QA/QC samples is one standard, one duplicate and one blank, introduced every batch which comprise a full-length hole. The rigorous procedures implemented during the sample collection, preparation, and analysis stages underscore the robustness and reliability of the analytical results obtained.

All analytical results reported herein have passed internal QA/QC review and compilation. All assay results of RC samples were provided by SGS Geosol, an ISO/IEC 17025:2005 certified laboratory, which performed their measure of the concentration of rare earth elements (REE) analyses by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) analytical methods.

The technical content in this news release was reviewed and approved by Mr. Don Hains, P.Geo, Consulting Geologist, and a Qualified Person as defined by National Instrument 43-101.

About Appia Rare Earths & Uranium Corp.

Appia is a publicly traded Canadian company in the rare earth element and uranium sectors. The Company is currently focusing on delineating high-grade critical rare earth elements and gallium on the Alces Lake property, as well as exploring for high-grade uranium in the prolific Athabasca Basin on its Otherside, Loranger, North Wollaston, and Eastside properties. The Company holds the surface rights to exploration for 113,837.15 hectares (281,297.72 acres) in Saskatchewan. The Company also has a 100% interest in 12,545 hectares (31,000 acres), with rare earth element and uranium deposits over five mineralized zones in the Elliot Lake Camp, Ontario. Lastly, the Company holds the right to acquire up to a 70% interest in the PCH Project which is 17,551.07 ha. in size and located within the Goiás State of Brazil. (See June 9th, 2023 Press Release

– Click Here)

Appia has 130.5 million common shares outstanding, 143.3 million shares fully diluted.

Cautionary *Note Regarding Forward-Looking Statements: This News Release contains forward-looking statements which are typically preceded by, followed by or including the words "believes", "expects", "anticipates", "estimates", "intends", "plans" or similar expressions. Forward-looking statements are not a guarantee of future performance as they involve risks, uncertainties and assumptions. We do not intend and do not assume any obligation to update these forward- looking statements and shareholders are cautioned not to put undue reliance on such statements.*

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