

FACT SHEET: Mine Site Design

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PAK Lithium Project Preliminary Site Design

This preliminary design and layout of the site is the result of detailed engineering work done as part of the Pre-Feasibility Study completed in 2023. We are seeking feedback on this site design and welcome your comments.

Access road to Site: Whitefeather Forest primary access road (84 km fully permitted) and 55 km of new road with preliminary engineering completed.

Site roads: 6.5 km of service roads that will connect the main gate to important site areas; 4.4 km of haulage roads for large mining trucks to carry rocks from the mines to storage areas before processing;

7.6 km of additional restricted service roads to areas such as the water treatment plant.

Open pits: PAK Pit approximately 17 hectares with a depth of 190 metres and Spark Pit, 27 hectares with a depth of 230 metres.

Waste rock areas: Two areas, one 50 hectares and another 54 hectares. **Overburden**

Stockpile Areas: Two areas, one 5 hectares, and another 8 hectares. **Tailings**

Management Area: 152 hectares with a maximum tailings dam height of 20 metres.

Transmission Line: 3.5 kilometres from the Wataynikaneyap Power's main transmission line.

Concentrator Plants (mill): The concentrator plant facility has a footprint of just over 2 hectares.

Airstrip: Approximately one kilometre long and 50 metres wide, with vegetation cleared to a width of 250 metres.

Water Treatment Plant: During a typical year, the mining operation will clean 2.4 million cubic meters of water and then safely release it back into the environment. This is about the same amount of water that would fill about 960 Olympic-sized swimming pools.

Water Discharge Line: 7 kilometres to transport treated water to Flanagan River. **Landfill:** Footprint of 30,000 square metres (approximately 4.5 football fields) and will have an incinerator.

Camp: Will add on to an existing facility approximately 6 km southwest of the PAK site to house approximately 300-400 mine employees and contractors.

Larger image on the back



