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Futura Lithium Updates Chile Project

Wednesday, August 3, 2022 - Toronto, ON: Futura Lithium Corp. now provides updated information on the Salar de Valle Salado lithium project in the Atacama Region of Northern Chile.

Futura Lithium Corp. can now confirm that Salars 1 to 3 have begun operating with each salar containing a series of fifteen evaporation ponds. The three salars will progress to full production levels by March 2022. At full production, Salars 1 and 2 alone are expected to produce up to 7,000 tonnes per annum of battery grade lithium carbonate.

In order to extract lithium from brines, as from the salars, the salt-rich waters must first be pumped to the surface into a series of evaporation ponds where solar evaporation occurs over a number of months. Since salar brines naturally occur at high altitude and in areas of low rainfall, solar evaporation is an ideal and cost-effective method for precipitating salts.

Potassium can often first be harvested from early ponds, while later ponds have increasingly high concentrations of lithium. Economical lithium-source brines normally contain anywhere from a few hundred parts per million of lithium to upwards of 7,000ppm.

When the lithium chloride in the evaporation ponds reaches an optimum concentration, the solution is pumped to a recovery plant where extraction and filtering of unwanted minerals such as magnesium and boron occurs. The solution is then treated with sodium carbonate, thereby precipitating lithium carbonate. The lithium carbonate is filtered, dried, and ready for delivery. Excess residual brines are pumped back into the salar.

Lithium carbonate is a stable white powder, which is a key intermediary in the lithium market because it can be converted into specific industrial salts and chemicals, or processed into lithium metal. Futura Lithium Corp.'s lithium is sourced specifically for the lithium-ion battery industry, due to the ever increasing demand in the electric vehicle, electronic devices and solar and wind power storage industries.

Futura Lithium's Joint Venture agreement with SQM allows the company to utilize SQM's recovery plants to process the brines produced at the Salar de Sal Rica project.

About the Company:

Futura Lithium Corp. controls the Salar de Valle Salado Lithium Brine Project, located in the Atacama Region of Northern Chile, in a joint venture partnership with SQM. The company also maintains a large lithium brine project in Salta Province in northwest Argentina. Furthermore, Futura Lithium Corp. is developing a major lithium project in Zacatecas State, Mexico.

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