

	<i>Solution Mining Manager - Job Descriptions</i> Western Potash Corp.	
	Issue Date:	April 24, 2023

Schedule - A

Position Title: Solution Mining Manager

Location: On-Site near Regina, Saskatchewan

Reports To: Chief Operations Officer

Job Summary

Western Potash Corp. (“Western”) is a potash mining company located near Kronau of RM Lajord, about 35 km southeast of Regina, Saskatchewan. Our company is a wholly owned subsidiary of Western Resources Corp. which is publicly listed on TSX under the symbol of “WRX.TO”. Western is constructing one of Canada’s most innovative, environmentally friendly and capital-efficient potash mines. Western has drilled and operated 3 horizontal solution mining caverns since October 2019 and is now heading towards first production in the 4th quarter of this year.

We are currently looking for a Solution Mining Manager to lead the internal mining team, to operate the existing caverns, perform upgrades and workovers, and to manage new drilling activities. This will entail managing consultants, engineering firms, drilling and workover contactors and vendors to meet the project goals. This is a key role that requires the individual to demonstrate effective leadership, initiative and drive to succeed. Prior drilling and/or potash solution mining experience will be a definite asset.

General Accountability & Objectives:

Overall - As part of the Management Team, the Solution Mining Manager will be responsible for all aspects of solution mining design including but not limited to execution, operation, data analysis and data interpretation, reflected in the following aspects to:

- Work with internal and external SMEs, as required to:
 - Optimize existing caverns and solution mining systems
 - Lead the design of future caverns
 - Execute plans for drilling, workovers, and cavern cleanouts as required
 - Develop and maintain risk matrix; develop mitigation strategies to minimize risk
 - Develop, update and communicate project schedules and provide progress reports
 - Develop and update cost estimates and provide progress reports
 - Develop and update production estimates and provide progress reports
 - Resolve issues in a timely manner and communicate issues and potential solutions in a timely manner
 - Obtain all necessary licenses and permitting
- Work with Procurement to secure required materials and services in a cost-efficient manner
- Develop effective sampling and analysis requirements for the solution mining process, including ponds
- Analyze data and communicate results

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- Develop process KPI's and assess performance on a continuous basis; initiate process changes to strive for KPI's
- Conduct periodic process reviews; implement changes as required to strive for optimization and continuous improvement in all aspects of solution mining
- Ensure all work in the areas of responsibility is done safely, adhering to all applicable health, safety and environmental regulations and company requirements
- Work effectively with all other members of the Management Team with the common goal of the success of the Milestone Project
- Oversee the geology, resource modelling and solution mine planning
- Assist in development of risk management plan including identification and evaluation of engineering/technical/construction/operation risks and ensure implementation and follow-up of action items
- Other tasks as appropriate

Required Skills (initial or developed):

- Strong understanding of fundamental process design, including fluid dynamics, heat transfer, mass balance, etc.
- Understanding of KCl-NaCl-H₂O solubility and ability to interpret solubility diagrams effectively
- Understanding of drivers for KCl dissolution (flow, temperature, concentration gradient, etc.)
- Understanding of Crystallization Pond operations and the interdependence between the solution mine and ponds
- Fundamentals of project planning, scheduling and execution
- Fundamentals of cost controls and financial statement interpretation
- Good communication
- Strong problem-solving skills
- Good report writing skills
- Demonstrated leadership ability

Requirements

- 10+ years of potash solution mining experience
- Mine or Process Leadership experience
- Must be eligible for registration with APEGS
- Must be able to travel both within Canada and internationally as required
- A Bachelor's Degree in Engineering (preferably Chemical, Mining or Industrial Engineering; with a preference for Chemical)

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