

BACKGROUND:

SCG Remediation Services was retained by a large engineering firm to supply all necessary plant, labour, materials, and equipment to manage water encountered at the mining site, including drawdown of the area between RSA Dam 1 and its cofferdam, plus maintenance of the draw down condition for the duration of the work.



Industry:
MINING



Water sources included:

- Precipitation runoff,
- Surface water,
- Groundwater,
- Seepage from the RSA pond,
- Seepage from the runoff diversion pond



Water collected while maintaining drawdown in the area between RSA Dam 1 and the cofferdam required pH adjustments as part of the treatment train.

in addition to this, the system was designed to reduce total suspended solids (TSS) while dewatering excavations to facilitate the connection of a new liner system.

SUBMITTALS:

Prior to the start of the project SCG submitted:

1. A detailed water management plan describing proposed pumping equipment, techniques, methodologies, sequencing, and safety measures,
2. A plan for the treatment of seepage collected to control pH and TSS before pumping to the RSA pond which demonstrated target pH and TSS ranges were achievable for expected seepage rates.
3. End User provided with all necessary information requested from SCG to deliver a successful treatment program

Project's length:

- 2022 Field season (6 months)
- 2023 Field season (5 months)

