

First On-Spec Nickel Sulfate Produced at Pilot Scale

Highlights

- ✓ Sulfate Refinery pilot plant produces Nickel Sulfate which meets the specifications of the General Motors, LG Energy Solutions and POSCO offtake agreements.
- ✓ Sulfate Refinery piloting validates the commercial flowsheet being used in the TECH Project, providing potential financiers with comfort.
- ✓ Piloting was undertaken at the facilities of SGS Canada.

Queensland Pacific Metals Limited (**ASX:QPM**) is pleased to provide an update on its Sulfate Refinery pilot plant activities being undertaken at SGS Canada.

Sulfate Refinery Pilot Plant

The key battery metal products to be produced at the TECH Project are nickel and cobalt sulfate. As part of the commercial flowsheet to be utilised at the TECH Project, QPM will refine the nickel and cobalt extracted by the DNi Process™ into battery grade sulfate. This part of the flowsheet is largely conventional, with some modifications to suit the TECH Project and to optimise for planned ore grade.

Since May 2023, QPM has been undertaking pilot scale testwork at the facilities of SGS Canada. The sub-processes being tested were:

- Aluminium precipitation;
- Impurity solvent extraction (ISX);
- Cobalt solvent extraction (CSX) and nickel solvent extraction (NSX);
- Transformation solvent extraction and Purification solvent extraction; and
- Nickel sulfate crystallisation.

The piloting has been successful in producing nickel sulfate which meets the specifications required under the offtake agreements with each of QPM's partners, General Motors, LG Energy Solutions and POSCO. Thus far, over 10kg of on-spec nickel sulfate has been produced.

The piloting has also been successful in validating this section of the commercial flowsheet, which will be essential for securing the support of potential financiers of the TECH Project.

QPM is also planning to produce on-spec cobalt sulfate in its next phase of pilot testwork.

Managing Director and CEO Dr Stephen Grocott commented,

"Nickel Sulfate is the main product being produced at the TECH Project. Production of on-spec material through our pilot testwork is a significant achievement and will greatly assist in our financing endeavours."



Figure: Aluminium precipitation



Figure: ISX piloting



Figure: NSX piloting

This announcement has been authorised for release by Stephen Grocott.



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