



The candidate alternatives were scored and weighted to remove bias from the assessment.

The candidates were scored for each indicator on a scale of 1 to 6 with the value of 6 being the highest score, and 1 being the lowest score, to develop a Multiple Accounts Assessment (MAA). The indicator scores were weighted according to pre-determined relative account weightings (which conform to the Environment Canada (2013) guidelines) to remove bias from the assessment.

The results of the MAA concluded that Site 1b is the preferred TSF location for slurry tailings disposal for the Sisson Project.

Sensitivity analyses were completed to reduce bias and subjectivity from the assessment.

Two sensitivity analyses were completed for the assessment:

- Modify account weightings to reduce bias towards technical and economic indicators
- Modify indicator weightings to increase importance of Aboriginal Land Use and Archaeological Potential

Both sensitivity analyses concluded that slurry tailings disposal at TSF Site 1b is the preferred alternative for tailings management at the Sisson Project.

REFERENCES

Environment Canada, 2013. *Guidelines for the Assessment of Alternatives for Mine Waste Disposal.* <https://www.canada.ca/en/environment-climate-change/services/managing-pollution/publications/guidelines-alternatives-mine-waste-disposal.html>

Environment Canada, 2012. *Metal Mining Effluent Regulations.* <http://laws-lois.justice.gc.ca/eng/regulations/SOR-2002-222/>

Knight Piésold Ltd., 2015. *Assessment of Tailings Management Alternatives.* Ref. No. VA101-4475/5-1, Rev.2. Report prepared for Sisson Mines Ltd. September 18, 2015.

