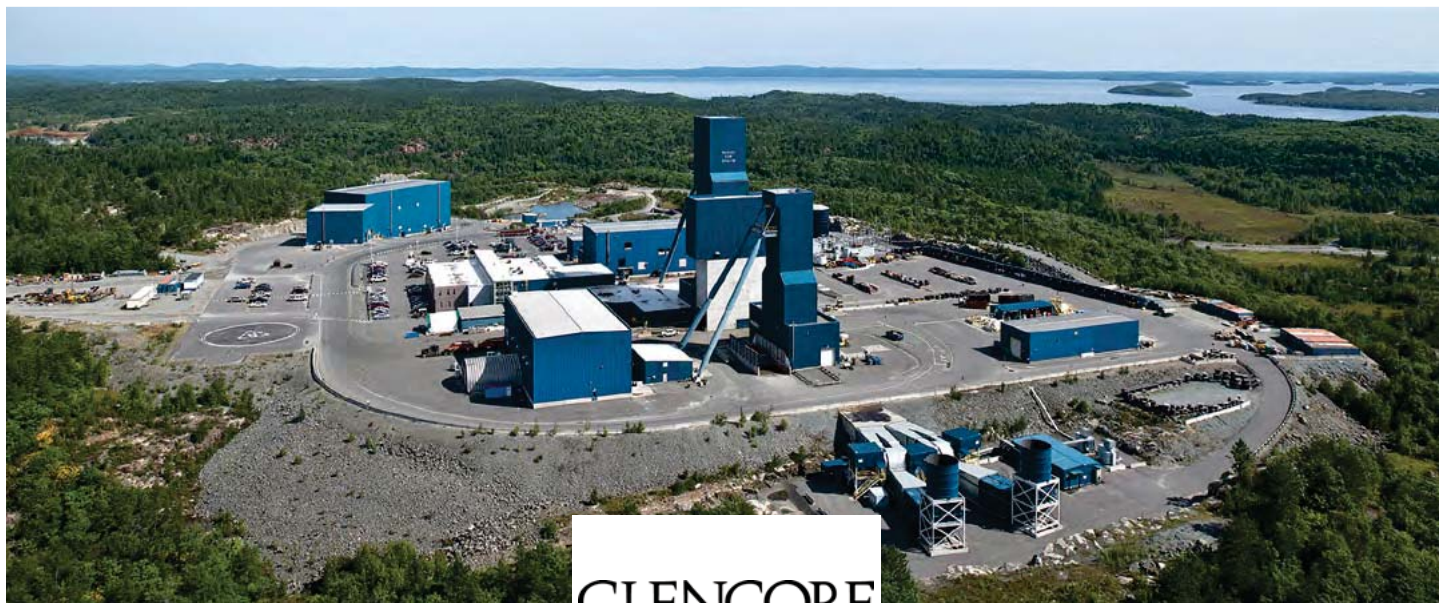


TSM Performance by Company

Glencore



Glencore is one of the world's largest global diversified natural resource companies and a major producer and marketer of more than 90 commodities. The company's operations comprise more than 150 mining and metallurgical sites, oil production assets and agricultural facilities.

Glencore's Canadian mining operations are guided by the *TSM* initiative and have participated since 2004. The following Glencore facilities have implemented *TSM*:

Glencore Copper

Horne Smelter, Rouyn-Noranda, Quebec

Canadian Copper Refinery (CCR), East Montreal, Quebec

Glencore Nickel

Sudbury Integrated Nickel Operations (INO), Sudbury, Ontario

Raglan Mine, Nunavik region, Quebec

Glencore Zinc

Brunswick Smelter, Bathurst, New Brunswick

Kidd Operations, Timmins, Ontario

CEZinc Refinery, Valleyfield, Quebec

Matagami Mine, Matagami, Quebec

Sustainability lies at the foundation of Glencore's business strategy and activities. Sustainability requires meaningful engagement with communities of interest (COI). At the same time, it requires maintaining the highest regard for environmental stewardship, social responsibility, corporate governance and transparent reporting, while delivering superior shareholder returns.

2017 TSM RESULTS

The only Glencore facility that completed an external audit in 2018 for their 2016 performance was CEZinc; they were in an extended work stoppage in 2017 when Glencore coordinated external audits for all of its facilities. As such, the remaining of Glencore's facilities completed internal assessments in 2018 for their 2017 performance. Matagami is still in the phase-in period for TSM and will be reporting self-assessed and externally verified results in future TSM Progress Reports.

Aboriginal and Community Outreach

All of Glencore's facilities have achieved at least a Level A performance in all of the indicators under the TSM Aboriginal and Community Outreach Protocol. Notably, Horne Smelter, Raglan Mine, Kidd Operations and Brunswick Smelter achieved a Level AAA performance for all four of the Protocol's indicators. Glencore's performance in the area of community outreach was highlighted in 2016, when the company was presented with the TSM Community Engagement Excellence Award for Kidd Operations' Community Partnerships Initiative. In 2017, Raglan Mine was selected as a finalist for the 2017 TSM Community Engagement Excellence Award for the Tamatumani program, a skills development initiative that has contributed to the training and hiring of hundreds of Nunavimmiut.

Crisis Management and Communications Planning

Glencore reports corporate performance in this area for Glencore Copper, Glencore Nickel and Glencore Zinc, as well as facility-level performance for each of its participating facilities. Glencore's corporate results for the TSM Crisis Management and Communications Planning Protocol are strong with a few areas where improvement is needed. Glencore Copper and Zinc corporate met all of the requirements of the Crisis Management and Communications Planning Protocol. Glencore Nickel corporate met all of the requirements for Indicators 1 and 3, but did not meet all of the requirements for Indicator 2. As such, Glencore's remaining facilities met all of the criteria for the Protocol's three indicators, except Brunswick Smelter, which missed Indicator 3.

Safety and Health

In the area of safety and health, the company's results remain strong. All of Glencore's facilities achieved at least a Level A performance for all five of the TSM Safety and Health Protocol's indicators.

Tailings Management

Glencore's results in this area remain strong with each participating facility achieving a Level AAA performance for all five indicators of the TSM Tailings Management Protocol. Glencore is working to ensure that the criteria of the revised Protocol are integrated within the company.

Biodiversity Conservation Management

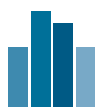
Results in this area are strong with a few areas identified for improvement. Both the CCR Refinery and the Horne Smelter are working to improve performance in this Protocol to achieve a Level A for all three indicators. CEZinc and Kidd Operations achieved at least a Level A performance for this Protocol, and Raglan and Sudbury Integrated Nickel Operations achieved a Level AAA performance, with Brunswick Smelter achieving AAA on Indicators 1 and 3 and A on Indicator 2.

Energy Use and GHG Emissions Management

All of Glencore's facilities achieved at least a Level A on Indicators 1 and 2 for the TSM Energy Use and GHG Emissions Management Protocol, with Brunswick Smelter, the Horne Smelter and Sudbury Integrated Nickel Operations achieving a Level B for Indicator 3. To achieve a Level A on Indicator 3 a facility must demonstrate that it has met its energy use and GHG emissions performance targets in the reporting year. In 2018, these facilities will focus on ensuring set targets are achieved.

🔗 For more information, please visit www.glencore.com





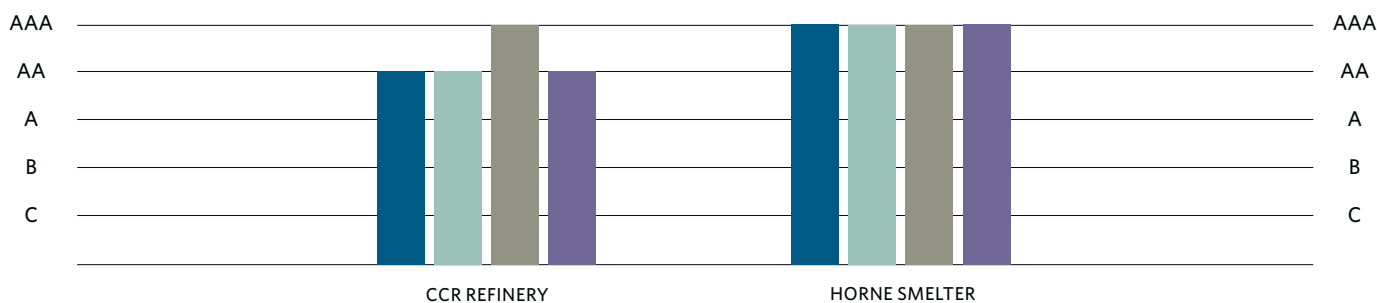
2017 TSM Results Glencore Copper

Crisis Management and Communications Planning Assessment

FACILITY	PREPAREDNESS	REVIEW	TRAINING
CORPORATE	✓	✓	✓
CCR REFINERY	✓	✓	✓
HORNE SMELTER	✓	✓	✓

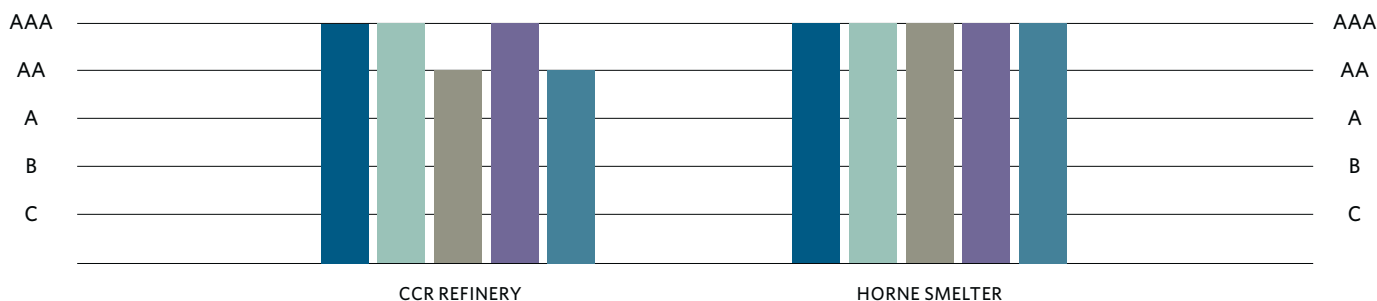
Aboriginal and Community Outreach Assessment

- COMMUNITY OF INTEREST (COI) IDENTIFICATION
- EFFECTIVE COI ENGAGEMENT AND DIALOGUE
- COI RESPONSE MECHANISM
- REPORTING



Safety and Health Assessment

- COMMITMENTS AND ACCOUNTABILITY
- PLANNING AND IMPLEMENTATION
- TRAINING, BEHAVIOUR AND CULTURE
- MONITORING AND REPORTING
- PERFORMANCE

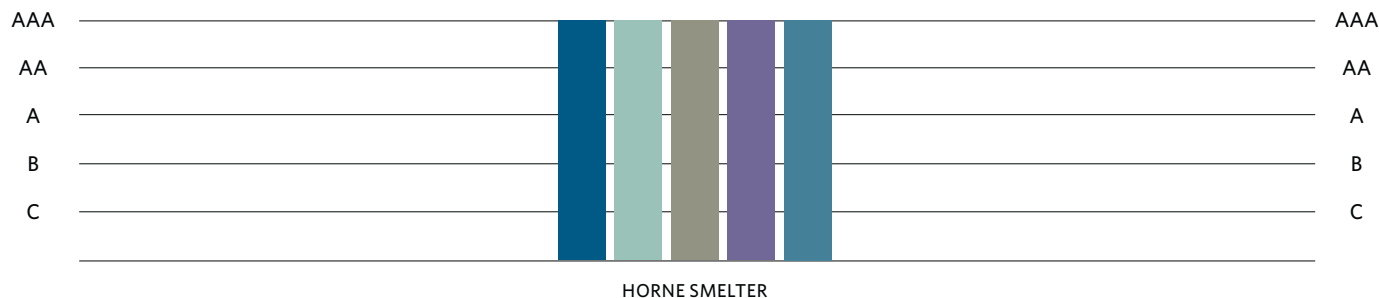


Self-assessed results; last external verification: 2017; next external verification: 2020.



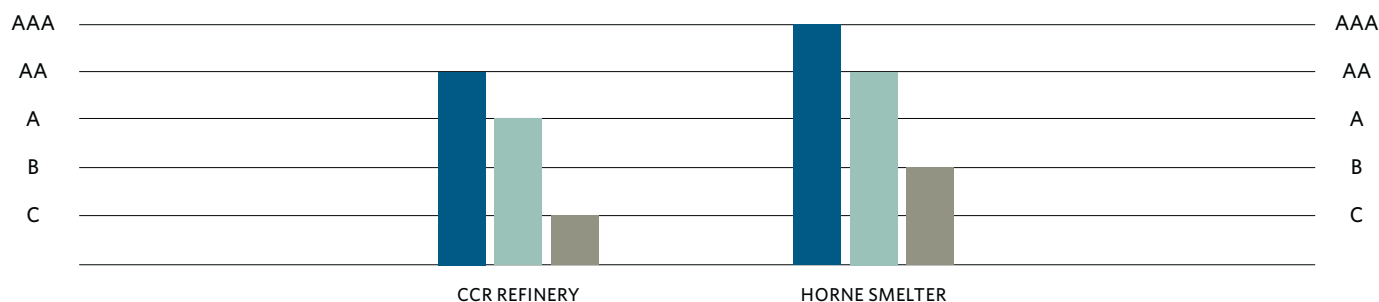
Tailings Management Assessment

- TAILINGS MANAGEMENT POLICY AND COMMITMENT
- TAILINGS MANAGEMENT SYSTEM
- ASSIGNED ACCOUNTABILITY AND RESPONSIBILITY FOR TAILINGS MANAGEMENT
- ANNUAL TAILINGS MANAGEMENT REVIEW
- OPERATION, MAINTENANCE AND SURVEILLANCE (OMS) MANUAL



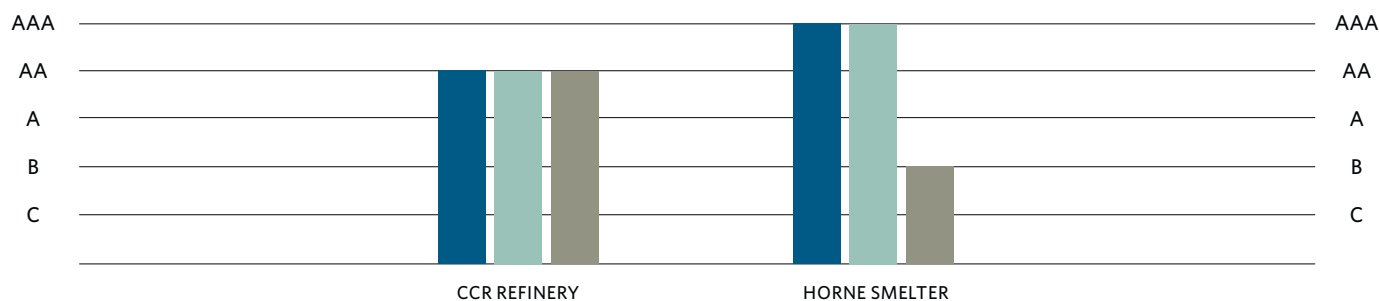
Biodiversity Conservation Management Assessment

- CORPORATE BIODIVERSITY CONSERVATION POLICY, ACCOUNTABILITY AND COMMUNICATIONS
- FACILITY-LEVEL BIODIVERSITY CONSERVATION PLANNING AND IMPLEMENTATION
- BIODIVERSITY CONSERVATION REPORTING



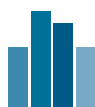
Energy Use and GHG Emissions Management Assessment

- ENERGY USE AND GHG EMISSIONS MANAGEMENT SYSTEMS
- ENERGY USE AND GHG EMISSIONS REPORTING SYSTEMS
- ENERGY AND GHG EMISSIONS PERFORMANCE TARGETS



Self-assessed results; last external verification: 2017; next external verification: 2020.





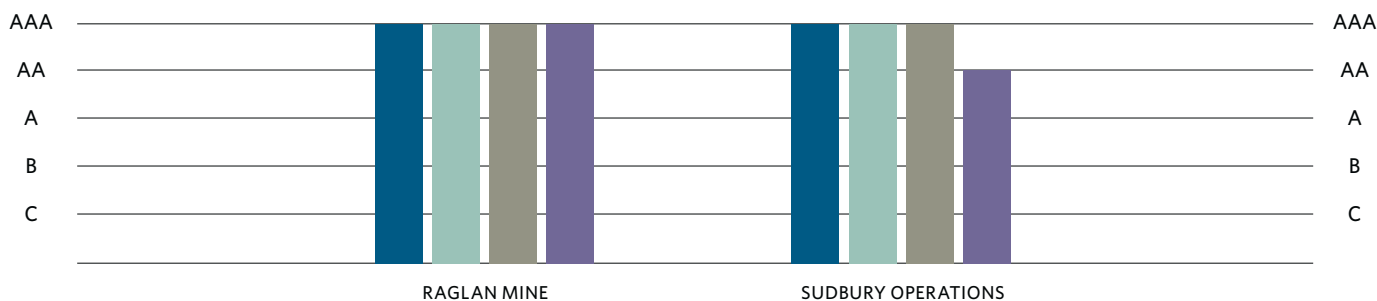
2017 TSM Results Glencore Nickel

Crisis Management and Communications Planning Assessment

FACILITY	PREPAREDNESS	REVIEW	TRAINING
CORPORATE	✓	✓	✓
RAGLAN MINE	✓	✓	✓
SUDBURY OPERATIONS	✓	✓	✓

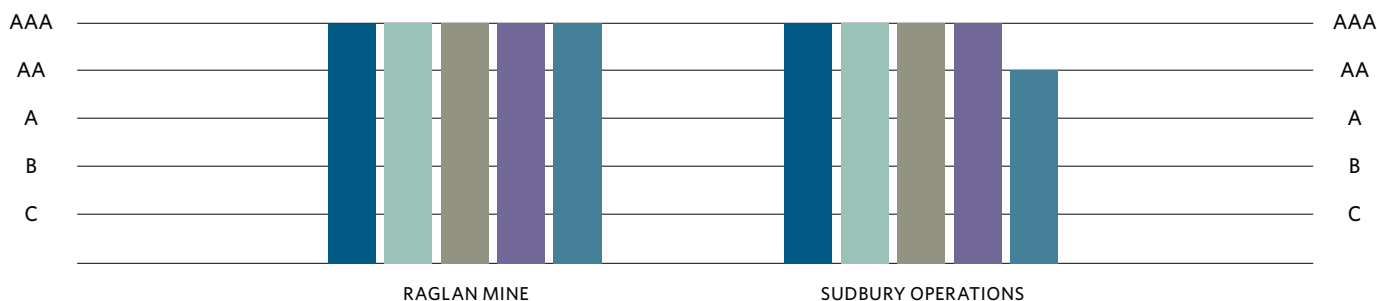
Aboriginal and Community Outreach Assessment

- COMMUNITY OF INTEREST (COI) IDENTIFICATION
- COI RESPONSE MECHANISM
- EFFECTIVE COI ENGAGEMENT AND DIALOGUE
- REPORTING



Safety and Health Assessment

- COMMITMENTS AND ACCOUNTABILITY
- PLANNING AND IMPLEMENTATION
- TRAINING, BEHAVIOUR AND CULTURE
- MONITORING AND REPORTING
- PERFORMANCE

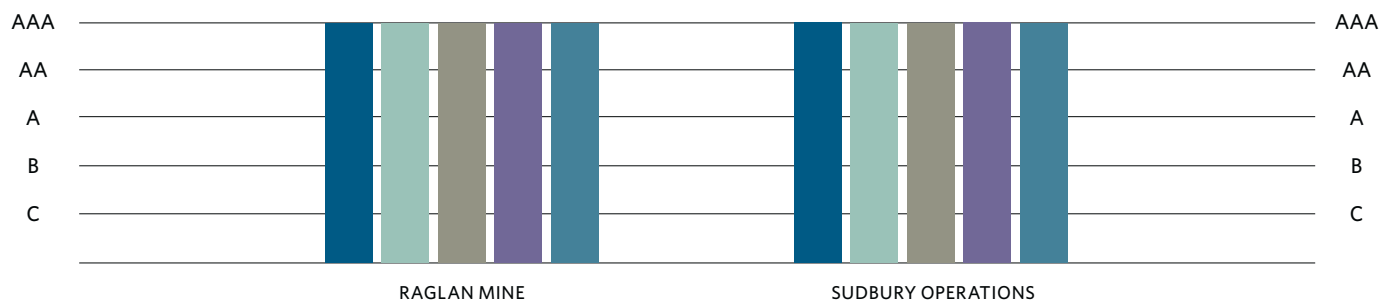


Self-assessed results; last external verification: 2017; next external verification: 2020.



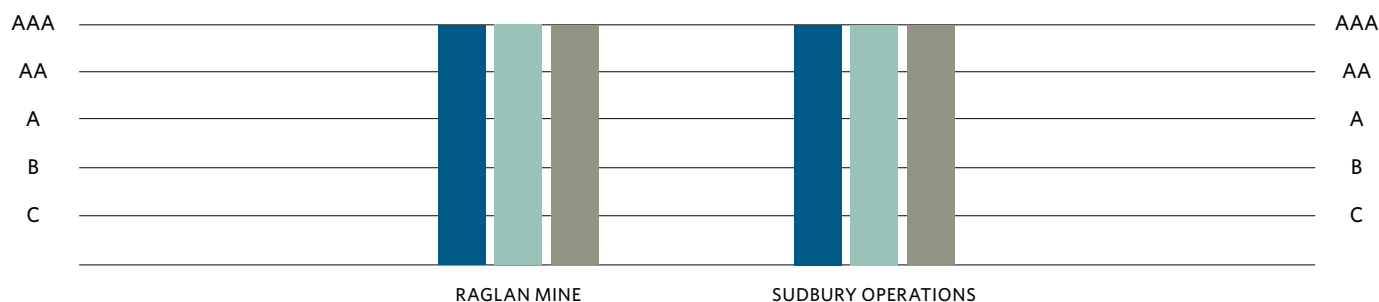
Tailings Management Assessment

- TAILINGS MANAGEMENT POLICY AND COMMITMENT
- ANNUAL TAILINGS MANAGEMENT REVIEW
- TAILINGS MANAGEMENT SYSTEM
- OPERATION, MAINTENANCE AND SURVEILLANCE (OMS) MANUAL
- ASSIGNED ACCOUNTABILITY AND RESPONSIBILITY FOR TAILINGS MANAGEMENT



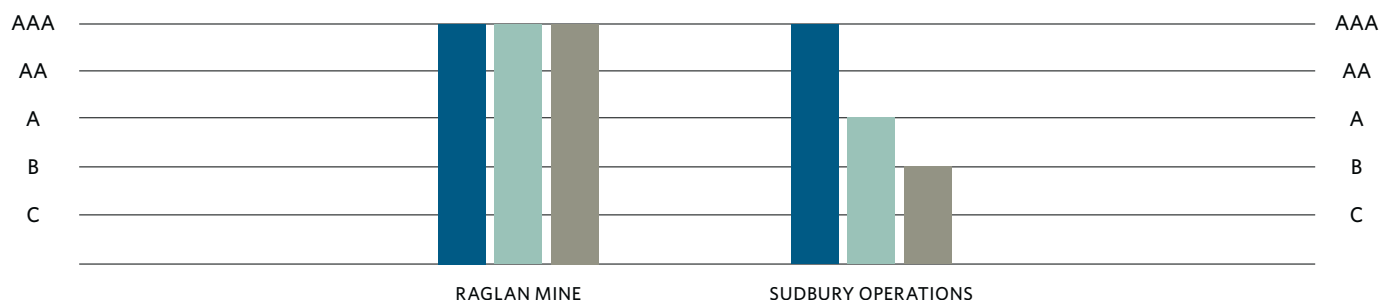
Biodiversity Conservation Management Assessment

- CORPORATE BIODIVERSITY CONSERVATION POLICY, ACCOUNTABILITY AND COMMUNICATIONS
- FACILITY-LEVEL BIODIVERSITY CONSERVATION PLANNING AND IMPLEMENTATION
- BIODIVERSITY CONSERVATION REPORTING



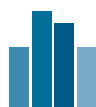
Energy Use and GHG Emissions Management Assessment

- ENERGY USE AND GHG EMISSIONS MANAGEMENT SYSTEMS
- ENERGY USE AND GHG EMISSIONS REPORTING SYSTEMS
- ENERGY AND GHG EMISSIONS PERFORMANCE TARGETS



Self-assessed results; last external verification: 2017; next external verification: 2020.





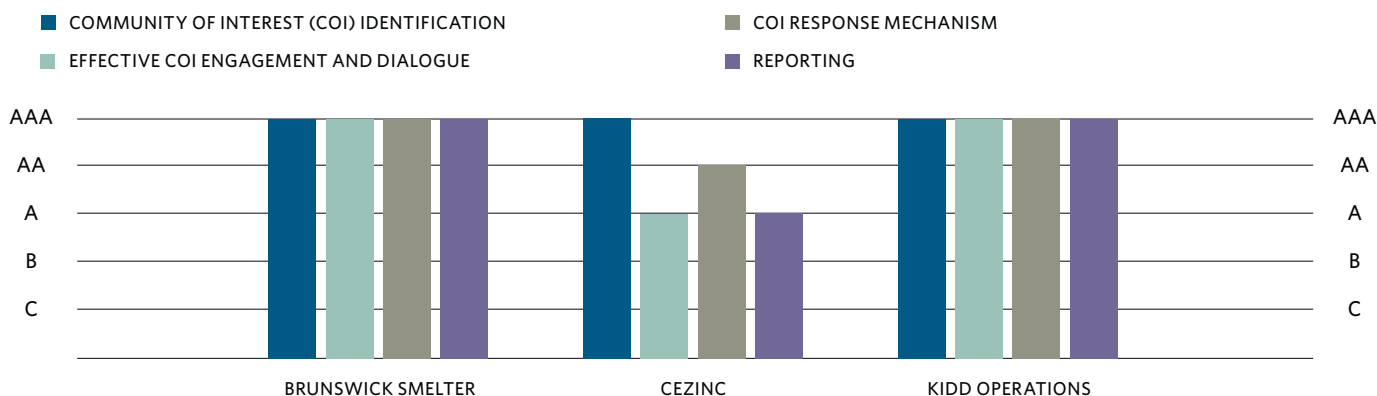
2017 TSM Results

Glencore Zinc

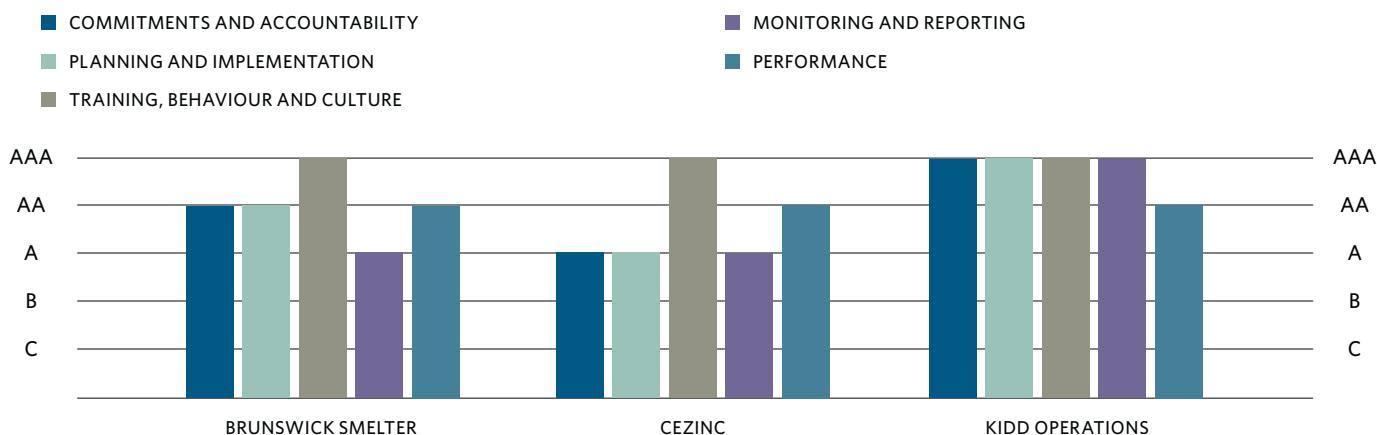
Crisis Management and Communications Planning Assessment

FACILITY	PREPAREDNESS	REVIEW	TRAINING
CORPORATE	✓	✓	✓
BRUNSWICK SMELTER	✓	✓	✗
CEZINC	✓	✓	✓
KIDD OPERATIONS	✓	✓	✓

Aboriginal and Community Outreach Assessment



Safety and Health Assessment

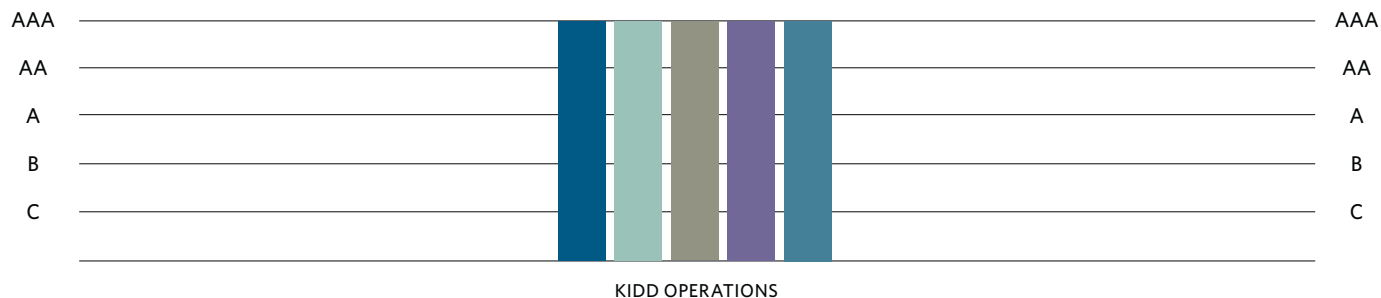


Self-assessed results; last external verification: 2017; next external verification: 2020.



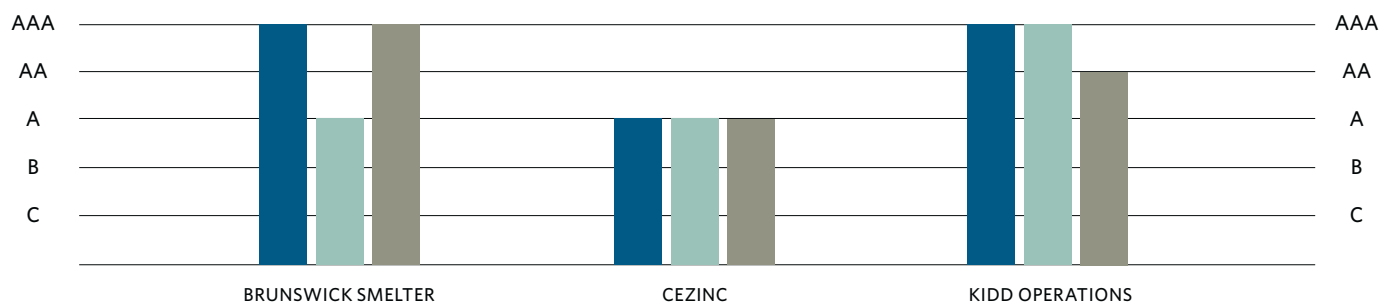
Tailings Management Assessment

- TAILINGS MANAGEMENT POLICY AND COMMITMENT
- TAILINGS MANAGEMENT SYSTEM
- ASSIGNED ACCOUNTABILITY AND RESPONSIBILITY FOR TAILINGS MANAGEMENT
- ANNUAL TAILINGS MANAGEMENT REVIEW
- OPERATION, MAINTENANCE AND SURVEILLANCE (OMS) MANUAL



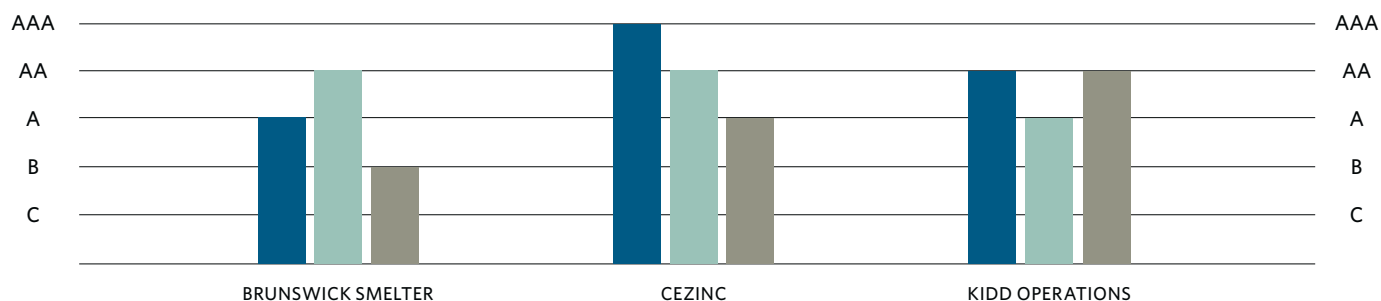
Biodiversity Conservation Management Assessment

- CORPORATE BIODIVERSITY CONSERVATION POLICY, ACCOUNTABILITY AND COMMUNICATIONS
- FACILITY-LEVEL BIODIVERSITY CONSERVATION PLANNING AND IMPLEMENTATION
- BIODIVERSITY CONSERVATION REPORTING



Energy Use and GHG Emissions Management Assessment

- ENERGY USE AND GHG EMISSIONS MANAGEMENT SYSTEMS
- ENERGY USE AND GHG EMISSIONS REPORTING SYSTEMS
- ENERGY AND GHG EMISSIONS PERFORMANCE TARGETS



Self-assessed results; last external verification: 2017; next external verification: 2020.

