



RESPONSIBLY
PRODUCED
COPPER



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MOLYBDENUM



RESPONSIBLY
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NICKEL



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ZINC

Assessment Summary Report

Participant Information

Name of the Site	Boliden Rönnskär
Unique identifier provided by the Copper Mark	P0035
Address	SE-932 81, Skelleftehamn, Sweden
Country of Operation	Sweden
Principle covered products produced on site (e.g., concentrate, anodes, cathodes, sulphuric acid, slag, etc.)	Copper cathodes, lead bars, zinc klinker, gold bars and granules, silver granules, palladium concentrate
Metals produced on site (e.g., copper, gold, nickel, silver, molybdenum)	Copper, lead, zinc, gold, silver, PGM
Metals included in scope of Criterion 31 (this must be all, or a sub-set of the metals produced on site)	Copper, lead, zinc
Metals covered by other independent assessments for Criterion 31 (e.g., RMAP, LBMA, RJC, etc.)	<u>LBMA Responsible Gold and Responsible Silver</u>
Types of operations included in scope	
Mining	<input type="checkbox"/>
Concentrate blending	<input checked="" type="checkbox"/>
Solvent extraction and electrowinning	<input type="checkbox"/>
Smelting	<input checked="" type="checkbox"/>
Refining	<input checked="" type="checkbox"/>
Fabrication	<input type="checkbox"/>
Other (<i>please explain</i>)	
Infrastructure owned or controlled by the site and included in scope	
Roads	<input checked="" type="checkbox"/>
Rails	<input checked="" type="checkbox"/>

Ports	<input checked="" type="checkbox"/>
Other (please explain)	

Equivalent Systems

The following equivalent systems were applied:

Equivalent systems are determined by the Copper Mark to have standards and assurance requirements that are materially comparable in scope and intent to those of the Copper Mark, in accordance with the Copper Mark Recognition Process.

Equivalent System <i>(Name, date of assurance / certification)</i>	Review Process	Criteria Covered by Equivalency
ISO 14001:2015 26 March 2021	The assurance / certification was confirmed to be: <ul style="list-style-type: none"> • Valid at the time of the review • No more than 24 months old and / or plans for reassessment are underway • In effect for an additional 12 months and / or plans for reassessment are underway • Covering the same scope as the Copper Mark Responsible Production Criteria, including operations, locations, and materials • Accompanied by improvement plans where applicable 	<ul style="list-style-type: none"> • 14. Environmental Risk Management • 16. Energy Consumption
ISO 45001:2018 26 March 2021	The assurance / certification was confirmed to be: <ul style="list-style-type: none"> • Valid at the time of the review • No more than 24 months old and / or plans for reassessment are underway 	12. Occupational Health and Safety

	<ul style="list-style-type: none"> • In effect for an additional 12 months and / or plans for reassessment are underway • Covering the same scope as the Copper Mark Responsible Production Criteria, including operations, locations, and materials <p>Accompanied by improvement plans where applicable</p>	
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Independent Site Assessment Information

Name of the Lead Assessor	Karin Sivertsson
Name of the Assessment Firm (if applicable)	KPMG AB
Date(s) of Assessment Activities (dd/mm/yyyy – dd/mm/yyyy)	6-7 December 2022 Follow up assessment: 11 December 2023
Assessment Period	January – December 2022
Summary of the Assessment Methodology	<p>The assurance engagement was conducted in accordance with ISAE 3000 “Assurance Engagements other than Audits or Reviews of Historical Financial Information” (revised) issued by the International Auditing and Assurance Standards Board (IAASB). The firm applies ISQC 1 (International Standard on Quality Control) and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements. We are independent of Boliden Mineral AB in accordance with professional ethics for accountants in Sweden and have otherwise fulfilled our ethical responsibilities in accordance with these requirements.</p> <p>A reasonable assurance engagement involves performing procedures to obtain evidence that the information in Boliden Rönnskär Copper Mark Compliance Report is free from material misstatement. In performing a reasonable assurance engagement, we considered internal controls relevant to Boliden's preparation and presentation of Boliden Rönnskär Copper Mark Compliance Report in order to design assurance procedures that are appropriate in the circumstances, Our engagement also included assessing the suitability of the criteria used by the management of Boliden Mineral AB and Boliden Rönnskär in preparing the Boliden Rönnskär Copper Mark Compliance Report, evaluating the appropriateness of the methods and policies used and the reasonableness of estimates</p>

	<p>made by Boliden Mineral AB, and evaluating the overall presentation of the report.</p> <p>Number of employees: 890</p> <p>Number of contractors: 200</p>
Summary of the Assessment Activities	<p>Preparatory work</p> <p>Day 1:</p> <ul style="list-style-type: none"> • Opening meeting • Meetings with management • Review of criteria related to human resources • Review of criteria related to environment • Facility tour • Document review <p>Day 2:</p> <ul style="list-style-type: none"> • Facility tour continued • Interviews with union representative • Review of criteria related to purchasing and supply chain • Review of contractor management • Analysis and document review <p>Day 3:</p> <ul style="list-style-type: none"> • Closing meeting

Summary of Findings

Criterion	Rating	Comments
1. Legal Compliance	Fully meets	<p>Boliden Rönnskär has systems in place to ensure compliance with applicable laws. There is a documented management system Boliden Management system (BMS) supported by processes to ensure they are compliant with all national legal requirements and with international conventions and law where these are required nationally. There is a process to monitor and maintain compliance with legal and other requirements in each issue area.</p> <p>This is confirmed through interviews with management, interviews with workers, and a review of documents</p>

		including internal audits, permits, and external audits on management systems that contain legal compliance elements.
2. Business Integrity	Fully meets	<p>Boliden Rönnskär has a management system that prohibits and prevents bribery, corruption, and anti-competitive behaviour. This also includes facilitation payments.</p> <p>No form of bribery, facilitation payments or corruption is acceptable, and any conflicts of interest shall be reported and addressed. Boliden’s anti-corruption program applies to individuals acting in Boliden’s name or on Boliden’s behalf including employees, management, Board Members, consultants, and agents of the Boliden Group.</p> <p>Boliden’s Code of Conduct and Business Partner Code of Conduct set out appropriate measures to prevent corrupt behavior and improper influence. Furthermore, corruption, bribery, gifts, benefits, and conflicts of interest are addressed in Boliden’s anti-corruption policy and guidelines.</p> <p>Compliance requirements and the Business Partner Code of Conduct are also incorporated into contractual agreements with business partners.</p> <p>The site has implemented a pre-boarding training plan for all new employees that includes information on bribery, anti-corruption, and related policies. This is complemented by an independent whistleblower function. No cases related to corruption were reported in 2022.</p>
3. Stakeholder Engagement	Fully meets	<p>Boliden Rönnskär has a stakeholder engagement and evaluation process in place at site level as well as at Group level.</p> <p>There is also a grievance mechanism in place via the Whistleblower function online. The site informs stakeholders of ongoing activities as well as consults on</p>

		<p>major changes. The site regularly measures PM, noise, vibration, and particulate fallout in the environment and share the information with relevant stakeholders.</p> <p>This was confirmed through interviews with management, interviews with workers, and a review of documents including the whistleblower policy, the stakeholder management document, stakeholder mapping, and sustainability index.</p> <p>More information available here.</p>
4. Business Relationships	Fully meets	<p>Boliden's customers are subject to a risk analysis, compliance screening and self-assessment questionnaire.</p> <p>All Boliden's business partners must adhere to the Business Partner Code of Conduct, which is included in all contracts related to procurement of goods & services, and the sales of metals and other by-products.</p> <p>The Business Partner Code of Conduct is complemented by a comprehensive screening, auditing & monitoring process of business partners. This is also assessed as part of Boliden Rönnskär LBMA Compliance Report for gold and silver.</p> <p>This was confirmed through interviews with management, interviews with workers, and a review of documents including the business partner code of conduct, high risk business partner instructions, and the procurement policy.</p>
5. Child Labor	Fully meets	<p>Boliden Rönnskär has control systems to prevent employment of children under legal age in production, in accordance with Swedish legislation, which is 18 years old. The risk of child labor is also assessed in the supply chain through the business partner due diligence.</p> <p>There are temporary workers in summer who may be 17 years of age</p>

		<p>involved in ancillary activities (non-production) such as cutting grass. These workers are always monitored by Boliden employees.</p> <p>This is confirmed through interviews with management, interview with workers, and a review of documents including the code of conduct, diversity policy, and whistleblower policy.</p>
6. Forced Labor	Fully meets	<p>Boliden Rönnskär has systems to ensure there is no use of any form of forced labour through the Code of Conduct and following Swedish legislation. This includes elements of modern slavery such as passport retention and restricting movement. The risk of forced labor is also assessed in the supply chain through the business partner due diligence.</p> <p>This was confirmed through interviews with management, interviews with workers, and a review of documents including the code of conduct, the whistleblower policy, and the diversity policy.</p>
7. Freedom of Association and Collective Bargaining	Fully meets	<p>Boliden Rönnskär has systems to ensure respect for employee rights to freedom of association and to collective bargaining. All employees are covered by collective bargaining and a major part of employees are members in a union.</p> <p>This was confirmed through interviews with management, interviews with workers, interviews with union representative, and a review of documents including the code of conduct, diversity policy, a collective bargaining agreement, and whistleblower policy.</p>
8. Discrimination	Fully meets	<p>Boliden Rönnskär has policies and systems in place to prevent discrimination and harassment, and this is included in regular training. There is a big focus on diversity and discrimination in e.g., training occasions. There are several reporting</p>

		<p>channels and reported cases are investigated at group level.</p> <p>This is confirmed through interviews with management, interviews with workers, and a review of documents including the diversity policy, code of conduct, and whistleblower hotline.</p>
9. Gender Equality	Fully meets	<p>Boliden Rönnskär has policies and systems to ensure and improve gender equality in the workplace. Rönnskär is Boliden's largest production unit and the one of the largest private employer in the region.</p> <p>The ambition for new hires is to, as far as possible with reference to competence, recruit people of underrepresented sex in order to achieve a more equal distribution of women and men in different jobs and positions.</p> <p>This is confirmed through interviews with management, interviews with workers, and a review of documents including the plan equal treatment goal, salary surveys to ensure equal pay in accordance with legislation, and the diversity policy.</p>
10. Working Hours	Fully meets	<p>Boliden Rönnskär has policies and systems to ensure compliance to the regulated working hours.</p> <p>Working hour are regulated in collective bargaining agreement and Swedish law. The average working hours per week cannot exceed 48 hours calculated over a twelve-month period. Shiftwork is planned to ensure sufficient days off in according to collective bargaining agreement and legislation, such as 5 days on 2 days off, or 4 days on 3 days off. Overtime is regulated through the collective bargaining agreements. Annual leave is regulated through Swedish law, providing 4 weeks paid leave per year.</p> <p>This was confirmed through interviews with management, interviews with workers, and a review of documents</p>

		including a collective bargain agreement.
11. Remuneration	Fully meets	<p>Boliden Rönnskär has policies and practices in place to ensure wage equity and measures its salary competitiveness with other industries. Boliden conducts annually a salary survey with the aim of detecting and remedying unreasonable salary differences between gender.</p> <p>This was confirmed through interviews with management, interviews with workers, interviews with a union representative, and a review of documents including</p>
12. Occupational Health and Safety	Fully meets	Criterion confirmed as met through equivalency with ISO 45001:2018.
13. Grievance Mechanism	Fully meets	<p>All Boliden employees can file grievances via managers, HR functions, union representatives or via Boliden's whistleblower function. Anonymous reporting can be done through Boliden's whistleblower channel, which can be accessed online both on the internal intranet and the external website of Boliden. Workers are informed of the different reporting channels via onboarding, training, and the website.</p> <p>This was confirmed through interviews with management, interviews with workers, and a review of documents including the whistleblower policy, diversity policy, and code of conduct.</p>
14. Environmental Risk Management	Fully meets	Criterion confirmed as met through equivalency with ISO 14001:2015.
15. Greenhouse Gas (GHG) Emissions	Fully meets	<p>Boliden has a policy to reduce GHG emissions, in which all units are obliged to work continuously on making improvements to process efficiency. It commits Boliden to reduce its dependence on fossil fuels by using renewable and/or recycled energy wherever possible.</p> <p>GHG emissions reductions are part of Boliden corporate Climate</p>

		<p>commitments and the ambition to get approved Science Based Targets via the Science Based Targets Initiative (SBTI). Boliden has applied to be part of the SBTI process.</p> <p>Boliden Rönnskär is part of Boliden’s reporting of GHG data in accordance with the GHG Protocol in the Boliden Sustainability report. Most GHG emissions at Rönnskär come from processes, partly from coal from the metal process and partly from electronic scrap.</p> <p>Boliden has a commitment to a 40 % reduction of absolute CO2 emissions by 2030.</p> <p>It has also committed to be net zero for scopes 1 & 2 in 2050. Read more here.</p> <p>There is a smelter CO2 program & Energy program to reduce absolute CO2 emissions with 40% by 2030, with a base year of 2012.</p> <p>This is confirmed through interviews with management, interviews with workers, and a review of documents including the commitments, climate strategy program, energy policy, smelter roadmap, and environmental targets and KPIs.</p>
16. Energy Consumption	Fully meets	Criterion confirmed as met through equivalency with ISO 14001:2015.
17. Freshwater Management and Conservation	Fully meets	<p>As of the follow up assessment in December 2023, this criterion is fully meets.</p> <p>Boliden Rönnskär has begun to assess water use impacts and begun to develop a management system to minimize impacts on fauna and flora in the catchment area of the facility.</p> <p>The site uses cooling water from the catchment area and the Bothnian Bay and fresh water from the municipality. Water consumption is perceived not to impact water use needs from other water users. For fresh water, there is a</p>

		<p>group that meets regularly and follows up on action plans for permit matters and deals with other water use challenges.</p> <p>There is also a buffer tank that makes the site self-sufficient. Use is regulated via the environmental permit.</p> <p>This was confirmed through interviews with management, interviews with workers, facility walkthrough, and a review of documents including the water management process, the water management commitment, and group environmental targets.</p> <p>The follow up assessment verified that the risk assessment of water impacts from use and emissions has been updated. A water investigation carried out by an external consultant assessed a water balance and set measures for how to meet requirements from the environmental authorities, including both freshwater and cooling water, as well as potential reused water.</p> <p>This was confirmed through interviews with relevant personnel; a review of the water management assessment and plan.</p>
<p>18. Waste Management</p>	<p>Fully meets</p>	<p>Boliden Rönnskär has implemented a waste management system that includes a commitment to the “waste hierarchy” and is applicable to all waste types.</p> <p>This includes a commitment to recycle as much as possible of the metals from gas and water cleaning processes. There are several old landfills on site that they will run through the processes to recycle recoverable metals and remains are stored in safe underground storages.</p> <p>This was confirmed through interviews with management, interviews with workers, facility walkthrough, and a review of documents including environmental permits, the group</p>

		environmental targets and KPIs, and the control program.
19. Tailings Management	Not applicable	Criterion does not apply to non-mining operations.
20. Pollution	Fully meets	<p>Boliden Rönnskär has a policy that follows the mitigation hierarchy to avoid, minimize, reduce, and compensate for the impact of pollution on human health and the environment.</p> <p>This is complemented by environmental permits that regulate emissions to air and water. These permits are accompanied by control programs on site to monitor emissions.</p> <p>In addition, measurements are done on aquatic fauna (see 21 Biodiversity). Rönnskär provides a safety report to authorities every 5 years. Pollution testing are done in collaboration with potentially affected stakeholders through collaborative meetings with the municipality and nearby industries.</p> <p>This was confirmed through interviews with management, interviews with workers, facility walkthrough, and a review of documents including environmental permits, the group environmental targets and KPIs, control program, and rescue plan.</p>
21. Biodiversity and Protected Areas	Fully meets	<p>At the group level, Boliden has adopted the ICMM commitment on Biodiversity and implements the mitigation hierarchy for the management of impact on biodiversity. The Boliden Rönnskär site is located on an old industry area close to the Skellefte bay with no known critical habitats or endangered species close to the site. Nonetheless, the site examines fish, bottom fauna, and other life in the Skellefte Bay with external consultants every year. Results are reported in a national database.</p> <p>There are two protected nature conservation areas within a 10 km distance from the smelter, and neither</p>

		<p>is considered negatively impacted by the site's activities.</p> <p>This was confirmed through interviews with management, interviews with workers, facility walkthrough, and a review of documents including the biodiversity summary, the group environmental targets and KPIs, and the sustainability index.</p>
22. Mine Closure and Reclamation	Not applicable	Criterion does not apply to non-mining operations.
23. Community Health and Safety	Fully meets	<p>Boliden Rönnskär has a system in place to monitor, avoid, minimize, reduce, and compensate for adverse impacts on community health and safety, as part of the environmental permits. Rönnskär provides a safety report to authorities every 5 year. ISO 14001 and 45001 certifications provide a structured way to work with local communities on health and safety.</p> <p>Rönnskär has processes and programs for measuring noise and emissions, reporting to authorities and handling complaints from nearby residents. There are also processes to manage issues and follow up and give feedback to the community.</p> <p>This was confirmed through interviews with management, interviews with workers, and a review of documents including the rescue plan, process to receive complaints from the community, and permits.</p>
24. Community Development	Fully meets	<p>Boliden Rönnskär has stakeholder management and local community engagement that includes opportunities to make contributions to or support community development.</p> <p>The stakeholder dialogue is partly included in the permitting processes through "samråd" but are also made regularly outside these processes. Boliden's stakeholder management and local community engagement is included in the Annual and</p>

		<p>Sustainability Report and the Sustainability Index.</p> <p>This was confirmed through interviews with management, interviews with workers, and a review of documents.</p>
25. Artisanal and Small-Scale Mining	Not applicable	The on-site assessment confirms there is no artisanal or small-scale mining in the area of influence.
26. Human Rights	Fully meets	<p>Human rights are part of corporate policies and systems and is reported in Boliden Sustainability report. Human rights are also part of Boliden Business partner due diligence. Boliden's Sustainability Index 2021 includes the Communication on Progress (COP) with references to Boliden's performance in relation to the UN Global Compact's ten principles, of which Boliden has been a signatory since 2012.</p> <p>Boliden has identified the most significant human rights risk to be in the value chain and therefor the Boliden's Business Partner Code of Conduct requires business partners to commit to the UN Guiding Principles.</p> <p>This is confirmed through interviews with management, interviews with workers, and a review of documents including the Sustainability Index and business partner code of conduct.</p>
27. Security and Human Rights	Not applicable	Criterion does not apply to non-mining operations.
28. Indigenous Peoples' Rights	Not applicable	The on-site assessment confirms there are no indigenous peoples in the area of influence.
29. Land Acquisition and Resettlement	Not applicable	<p>The site assessment confirms this criterion is not applicable.</p> <p>Rönnskär has been located at same place since 1930. No resettlement is planned or needed at Rönnskär location.</p>
30. Cultural Heritage	Not applicable	The site assessment confirms there are no cultural heritage sites in the area of influence of the site.

<p>31. Due Diligence in Mineral Supply Chains</p>	<p>Fully meets</p>	<p>This criterion was assessed separately using the Copper Mark Assurance Process and the Joint Due Diligence Standard for Copper, Lead, Nickel and Zinc on 20th April 2022. The full report on this criterion and the results of the assessment is available here.</p>
<p>32. Transparency and Disclosure</p>	<p>Fully meets</p>	<p>The Boliden Annual Report and Sustainability Index Boliden AB have published a sustainability report since 2005. The sustainability report 2021 is included in the Annual report 2021. The Annual and Sustainability Report 2021 describes Boliden’s financial performance and sustainability performance.</p> <p>Boliden publishes a Sustainability Index report based on GRI Standards. It also constitutes Boliden’s Communication on Progress (COP) and therefore contains references to Boliden’s performance in relation to the UN Global Compact’s ten principles; the Task Force on Climate-related Financial Disclosures (TCFD, supported by Boliden since 2019); the Sustainability Accounting Standards Board (SASB, supported by Boliden since 2021) and the principles of International Council’s (ICMM, where Boliden has been a member since 2021).</p> <p>The Sustainability Index and the Annual and Sustainability Report have been reviewed by means of an external limited assurance engagement in accordance with ISAE 3000.</p> <p>More information is available here.</p>

Conclusions

<p>Statement of conformance</p>	
<p>The site is found to fully meet all applicable criteria of the Risk Readiness Assessment and, for Criterion 31, all applicable conformance criteria of the Joint Due Diligence Standard.</p>	<p><input checked="" type="checkbox"/></p>

The site is found to fully meet or partially meet all applicable criteria of the Risk Readiness Assessment and, for Criterion 31, all applicable conformance criteria of the Joint Due Diligence Standard. The site has committed to continuous improvement to fully meet all applicable Copper Mark Criteria by 3 February 2024.	<input type="checkbox"/>
The site is found to miss some or all of the applicable criteria of the Risk Readiness Assessment and / or for Criterion 31, some, or all of the applicable conformance criteria of the Joint Due Diligence Standard. The site has committed to continuous improvement to fully meet all applicable Copper Mark Criteria by 3 February 2024.	<input type="checkbox"/>
The site misses some or all of the applicable requirements of the Risk Readiness Assessment and / or for Criterion 31, the applicable criteria of the Joint Due Diligence Standard. The Site has not committed to continuous improvement.	<input type="checkbox"/>
Limitations:	
Additional comments:	

Award

The Copper Mark	<input type="checkbox"/>
The Molybdenum Mark	<input checked="" type="checkbox"/>
The Nickel Mark	<input type="checkbox"/>
The Zinc Mark	<input checked="" type="checkbox"/>

This Summary Report is prepared using data from the independent review report and the independent assessment report. The Copper Mark confirms the assessors' conclusion and awards the Copper Mark as follows

Date the Copper Mark and the Zinc Mark is awarded	28 February 2023
Expiry Date of the Copper Mark and the Zinc Mark	27 February 2026