Schema Name	tsm-performance-2023			
	2023 TSM Performance Credential			
Category	Name	Attribute	Format	Rules Description
Facility	Company Name	company_name	String	Not NULL name of business entity
Facility	Facility Name	facility_name	String	Not NULL name of facility
Facility	Facility Address	facility_address	String	Not NULL address of facility
Facility	Country of Operation	country_operation	String	Not NULL country of facility
Facility	Products	products_name	String	Not NULL name of products or metals produced on site
		product_mand	38	lists all types of operations included in scope: mining, milling, hydrometallurgical,
Facility	Operation	operation_type	String	Not NULL concentrate blending, smelting, refining, other
Verification	Verification Company	verification_company_name	String	Not NULL name of verification company
Verification	Verification by Accredited TSM Verifier	accredited_tsm_verifier	String	Not NULL yes, no: confirms all verifiers involved are accredited TSM verifiers
Vermedien	vermeation by recreated 15th vermer	decreated_tsm_vermer	301116	comment field that provides the dates of verification activities, list each date in
Verification	Verification Dates	verification_dates	String	Not NULL format YYYY/MM/DD
Vermedien	Vermouton Bates	vermeation_dates	301116	textbox, summary description of verification method - includes disclosure of
Verification	Verification Method	verification_method_summary	String	Not NULL sampling methodology employed
Verification	Verification Activities	verification_activities_summary	String	Not NULL textbox, summary description of verification activities
Verification	Verification Activities Verification Site Visit Conducted			Not NULL yes, no: confirms if verification included a site visit
Verification	Verification Site visit Conducted	verification_site_visit	String	yes, no - confirms if verification included a site visit yes, no - confirms if external verification was conducted in accordance with the
				Terms of Reference for Verifiers and, accordingly, consisted primarily of interviews
				data analysis, and examination (on a sample basis) of other evidence relevant to
				management's assertion of conformance to the requirements of the TSM
Verification	Verification Statement	verification_statement_tor	String	Not NULL performance indicators.
_				yes, no - confirms scores indicated by verification activities are accurate based on
Verification	Verification Accuracy	verification_statement_accuracy	String	Not NULL the evidence reviewed during the external verification
Verification	Verification Limitations	verification_statement_limitations	String	Not NULL textbox, verifier identified limitations
Verification	Verification Comments	verification_statement_comments	String	Not NULL textbox, verifier comments
Verification	Verification Assurance Statement Provided	verification_assurance	String	Not NULL yes, no - confirms if an additional assurance statement provided by verifier
				textbox, the full legal name of the lead verifier with the option to include the name
Verification	Lead Verifier	verification_statement_lead_name	String	Not NULL of all verifiers who participated in the audit.
Verification	Verification Statement Date	verification_statement_dateint	String	Not NULL date field as an integer, using format YYYYMMDD
Verification	Verification Signature	verification_statement_signature	String	Not NULL textbox, printed signature of lead verifier
Indigenous and Community				
Relationships	COI Identification	indigenous_q1	String	Not NULL levels C - AAA, Community of Interest (COI) Identification
Indigenous and Community				
Relationships	COI Identification Evidence	indigenous_q1_evidence	String	Not NULL textbox, verification examples of evidence consulted
Indigenous and Community				
Relationships	COI Engagement	indigenous_q2	String	Not NULL levels C - AAA, Community of Interest (COI) Engagement
Indigenous and Community				
Relationships	COI Engagement Evidence	indigenous_q2_evidence	String	Not NULL textbox, verification examples of evidence consulted
Indigenous and Community				·
Relationships	Indigenous Engagement	indigenous_q3	String	Not NULL levels C - AAA, effective Indigenous engagement and dialogue
Indigenous and Community		<u> </u>		
Relationships	Indigenous Engagement Evidence	indigenous_q3_evidence	String	Not NULL textbox, verification examples of evidence consulted
Indigenous and Community		0		
Relationships	Community impact	indigenous_q4	String	Not NULL levels C - AAA, community impact and benefit management
Indigenous and Community	- Community impact	a.ge::oas_q :	361118	THOUSE PERSON OF THE MODEL AND DESCRIPTION OF THE PERSON O
Relationships	Community impact Evidence	indigenous q4 evidence	String	Not NULL textbox, verification examples of evidence consulted
Indigenous and Community	- Community impact 21 denies	margenedo_q r_evidence	361118	100 100 EE 100 100 100 100 100 100 100 100 100 1
	COI Response	indigenous_q5	String	Not NULL levels C - AAA, Community of Interest (COI) response mechanism
Indigenous and Community	- Connesponse	magenous_qs	301116	Not Note levels e 7000, communey of interest (con response medianism
,	COI Response Evidence	indigenous_q5_evidence	String	Not NULL textbox, verification examples of evidence consulted
Safety and Health	Commitments/Accountability	safety_health_q1	String	Not NULL levels C - AAA, commitments and accountability
Safety and Health	Commitments/Accountability Commitments/Accountability Evidence			Not NULL textbox, verification examples of evidence consulted
Safety and Health	Planning/Implementation	safety_health_q1_evidence	String	
•	<u> </u>	safety_health_q2	String	Not NULL levels C - AAA, planning and implementation
Safety and Health	Planning/Implementation Evidence	safety_health_q2_evidence	String	Not NULL textbox, verification examples of evidence consulted
Safety and Health	Training/Behaviour/Culture	safety_health_q3	String	Not NULL levels C - AAA, training, behaviour and culture
Safety and Health	Training/Behaviour/Culture Evidence	safety_health_q3_evidence	String	Not NULL textbox, verification examples of evidence consulted
Safety and Health	Monitoring/Reporting	safety_health_q4	String	Not NULL levels C - AAA, monitoring and reporting

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Category	Name	Attribute	Format	Rules Description
Safety and Health	Monitoring/Reporting Evidence	safety_health_q4_evidence	String	Not NULL textbox, verification examples of evidence consulted
Safety and Health	Performance	safety health q5	String	Not NULL levels C - AAA, performance
Safety and Health	Performance Evidence	safety_health_q5_evidence	String	Not NULL textbox, verification examples of evidence consulted
Crisis Management and	11.11		Z 8	,
Communications Planning	Corporate Preparedness	corp crisis preparedness	String	Not NULL yes, no
Crisis Management and				
Communications Planning	Corporate Preparedness Evidence	corp_crisis_preparedness_evidence	String	Not NULL textbox, verification examples of evidence consulted
Crisis Management and		· · -		
Communications Planning	Corporate Review	corp_crisis_review	String	Not NULL yes, no
Crisis Management and		. = =		
Communications Planning	Corporate Review Evidence	corp_crisis_review_evidence	String	Not NULL textbox, verification examples of evidence consulted
Crisis Management and				
Communications Planning	Corporate Training	corp_crisis_training	String	Not NULL yes, no
Crisis Management and				
Communications Planning	Corporate Training Evidence	corp_crisis_training_evidence	String	Not NULL textbox, verification examples of evidence consulted
Crisis Management and				
Communications Planning	Facility Preparedness	site_crisis_and_communication_preparedness	String	Not NULL yes, no
Crisis Management and				
Communications Planning	Facility Preparedness Evidence	site_crisis_preparedness_evidence	String	Not NULL textbox, verification examples of evidence consulted
Crisis Management and				
Communications Planning	Facility Review	site_crisis_and_communication_review	String	Not NULL yes, no
Crisis Management and				
Communications Planning	Facility Review Evidence	site_crisis_review_evidence	String	Not NULL textbox, verification examples of evidence consulted
Crisis Management and				
Communications Planning	Facility Training	site_crisis_and_communication_training	String	Not NULL yes, no
Crisis Management and				
Communications Planning	Facility Training Evidence	site_crisis_training_evidence	String	Not NULL textbox, verification examples of evidence consulted
Prevention of Child and Forced				
Labour	Preventing Forced Labour	labour_forced_q1	String	Not NULL yes, no - preventing forced labour, reported during external verification only
Prevention of Child and Forced		labour formed of a Street	6	Not NULL bookhou, confication accorded to delegate and accorded to
Labour	Preventing Forced Labour Evidence	labour_forced_q1_evidence	String	Not NULL textbox, verification examples of evidence consulted
Prevention of Child and Forced	Droventing Child Labour	labour abild s2	Ct.	Net NULL yes no proyenting shild labour reported during systems by sufficient and
Labour Prevention of Child and Forced	Preventing Child Labour	labour_child_q2	String	Not NULL yes, no - preventing child labour, reported during external verification only
		labour shild an avidance	C+=:==	Not NULL toythox varification axamples of axideness consulted
Labour Climate Change	Preventing Child Labour Evidence	labour_child_q2_evidence	String	Not NULL textbox, verification examples of evidence consulted
Climate Change	Corporate Management Evidence	corp_climate_q1	String	Not NULL levels C - AAA, coporate level management
Climate Change Climate Change	Corporate Management Evidence Site Management	corp_climate_q1_evidence	String	Not NULL textbox, verification examples of evidence consulted Not NULL levels C - AAA, site level management
	Site Management Evidence	site_climate_q1	String String	Not NULL levels C - AAA, site level management Not NULL textbox, verification examples of evidence consulted
Climate Change	Performance Targets	site_climate_q1_evidence site_climate_q2	String	Not NULL levels C - AAA, site performance targets and reporting
Climate Change	Performance Targets Evidence	site_climate_q2 site_climate_q2_evidence	String	Not NULL textbox, verification examples of evidence consulted
Biodiversity Conservation	T CHOTHIGHE TAIRETS EVICENCE	Site_climate_qz_evidence	Jung	levels C - AAA, corporate conservation commitment, accountability, and
Management	Corporate Commitment	biodiversity_conservation_q1	String	Not NULL communications
Biodiversity Conservation	Corporate Commitment	Modiversity_conservation_q1	Julig	NOT NOTE COMMUNICATIONS
Management	Corporate Commitment Evidence	biodiversity_conservation_q1_evidence	String	Not NULL textbox, verification examples of evidence consulted
Biodiversity Conservation	23. porace communicate Evidence	2.55.17 CONSCIPERATION_Q1_CVIDENCE	Julia	1.00.110.22 textboxy retinious.on examples of evidence consumed
Management	Planning/Implementation	biodiversity_conservation_q2	String	Not NULL levels C - AAA, conservation planning and implementation
Biodiversity Conservation		and an order of the control of the c	30,1118	
Management	Planning/Implementation Evidence	biodiversity_conservation_q2_evidence	String	Not NULL textbox, verification examples of evidence consulted
Biodiversity Conservation	J, F. S.		28	
Management	Reporting/Performance	biodiversity conservation q3	String	Not NULL levels C - AAA, conservation reporting
Biodiversity Conservation	, ,,		28	,
Management	Reporting/Performance Evidence	biodiversity_conservation_q3_evidence	String	Not NULL textbox, verification examples of evidence consulted
Tailings Management	Policy/Commitment	tailings_management_q1	String	Not NULL levels C - AAA, management policy and commitment
Tailings Management	Policy/Commitment Evidence	tailings_management_q1_evidence	String	Not NULL textbox, verification examples of evidence consulted
Tailings Management	Management	tailings_management_q2	String	Not NULL levels C - AAA, management system and emergency preparedness
	1		50.1116	

Schema Name	tsm-performance-2023				
	2023 TSM Performance Credential				
Category	Name	Attribute	Format	Rules	Description
	Management Evidence	tailings_management_q2_evidence	String		textbox, verification examples of evidence consulted
	Accountability/Responsibility	tailings management q3	String		levels C - AAA, assigned accountability and responsibility
	Accountability/Responsibility Evidence	tailings_management_q3_evidence	String		textbox, verification examples of evidence consulted
	Annual Review	tailings_management_q4	String		levels C - AAA, annual review
	Annual Review Evidence	tailings_management_q4_evidence	String		textbox, verification examples of evidence consulted
	OMS Manual	tailings_management_q5	String		levels C - AAA, operation, maintenance, and surveillance
	OMS Manual Evidence	tailings management q5 evidence	String		textbox, verification examples of evidence consulted
		water_stewardship_q1	String		levels C - AAA, water governance
•	Governance Evidence	water_stewardship_q1_evidence	String		textbox, verification examples of evidence consulted
· ·	Operational Management	water_stewardship_q2	String		levels C - AAA, operational management
· ·	Operational Management Evidence	water_stewardship_q2_evidence	String		textbox, verification examples of evidence consulted
· ·	Watershed Planning	water_stewardship_q3	String		levels C - AAA, watershed-scale planning
-		water_stewardship_q3_evidence	String		textbox, verification examples of evidence consulted
-	Reporting/Performance	water_stewardship_q4	String		levels C - AAA, reporting and performance
	Reporting/Performance Evidence	water stewardship q4 evidence	String		textbox, verification examples of evidence consulted
Equitable, Diverse, and	-1 0,				
	Corporate Leadership and Strategy	corp_edi_q1	String	Not NULL	levels C - AAA, advancing edi
Equitable, Diverse, and			368	110111022	
•	Corporate Leadership and Strategy Evidence	corp_edi_q1_evidence	String	Not NULL	textbox, verification examples of evidence consulted
Equitable, Diverse, and		co.p_cuq1_cv.uc.ruc	368	110111022	Islands Isla
•	Advancing EDI	edi_q1	String	Not NULL	levels C - AAA, advancing edi
Equitable, Diverse, and			368	1100111022	
	Monitoring/Reporting/Performance	edi_q2	String	Not NULL	levels C - AAA, monitoring, reporting, and performance
Safe, Healthy, and Respectful			3611118	TTOC TTO LL	levels o 7 v v v, monitoring, reporting, and performance
	Commitments/Accountability	shr_work_q1	String	Not NIIII	levels C - AAA, commitments and accountability
Safe, Healthy, and Respectful		5111_W5111_q1	3611118	TTOC TTO LL	levels 6 74 try commented and associated mity
	Safety/Health Management	shr_work_q2	String	Not NULL	levels C - AAA, safety and health management systems
Safe, Healthy, and Respectful		5W542	368	1100111022	and the second s
		shr work q3	String	Not NULL	levels C - AAA, psychological safety and respectful behaviour
Safe, Healthy, and Respectful			3 3 3 3		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Training/Behaviour/Culture	shr_work_q4	String	Not NULL	levels C - AAA, training, behaviour and culture
Safe, Healthy, and Respectful	G, z e ra r e a r	sq.			grand grant
	Monitoring/Reporting	shr_work_q5	String	Not NULL	levels C - AAA, monitoring and reporting
Safe, Healthy, and Respectful			368		
• • • • • • • • • • • • • • • • • • • •	Physical Safety/Health Performance	shr_work_q6	String	Not NULL	levels C - AAA, physical safety and health performance
A1: Responsible Sourcing	, 6	<u></u>	368	110111022	
	Corporate Governance Legal Compliance	rs_corp_legal_q1	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing	1. co. porate covernance regar compilance	13_001P_10501_41	3611118	TTOC TTO LL	yes) not approune
	2. Corporate Governance Code of Conduct	rs_corp_code_q2	String	Not NULL	yes, no, not applicable
· ''	3. Corporate Governance Combating	15_661,P_66665_42	368	1100111022	
	Bribery/Corruption	rs_corp_corruption_q3	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing	2.1.20.77.00114.011	15_661P_66114P41611_45	3611118	TTOC TTO LL	yes) not approune
	4. Corporate Governance Political Contributions	rs corn contributions a4	String	Not NULL	yes, no, not applicable
	5. Corporate Governance Transparency of		Jung	110t NOLL	, 100, 110, 110, 110, 110, 110, 110, 11
,	Taxes/Ownership/Transfer Pricing	rs_corp_transparency_q5	String	Not NIIII	yes, no, not applicable
	6. Corporate Governance Accountabilities and	is_corp_transparency_qs	Jung	NOTIVOLE	yes, no, not applicable
,	Reporting	rs_corp_ar_q6	String	Not NIIII	yes, no, not applicable
A1: Responsible Sourcing			301118	140t HOLL	, , ,
	7. Corporate Governance Engagement with COI	rs corp coi a7	String	Not NIIII	yes, no, not applicable
A1: Responsible Sourcing	55. porate Governance Engagement with COI		Julia	INOUNULL	, see, not applicable
	8. Corporate Sustainable Development Strategy	rs corn strategy ag	String	Not NIIII	yes, no, not applicable
	Corporate Sustainable Development in	13_co1p_3t18tc8y_40	Julig	INULINULL	yes, no, not applicable
	Supply Chain	rs corn sc qq	String	Not NIIII	yes, no, not applicable
	10. UN Guiding Principles on Business and	rs_corp_sc_q9	Julig	INUL INULL	yes, no, not applicable
		rs up an a10	Ctring	Not MIIII	ves no not applicable
Alignment Supplement	Human Nights	rs_un_gp_q10	Julilg	NOT NOT	yes, no, not applicable

Schema Name	tsm-performance-2023				
	2023 TSM Performance Credential				
Category	Name	Attribute	Format	Rules	Description
A1: Responsible Sourcing	11. Conflict-Affected and High-Risk Area Due	7.00.12.00	10111100	110.100	
Alignment Supplement	Diligence	rs_conflict_dd_q11	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing	3 - 1 - 1				1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -
Alignment Supplement	12. Resettlement	rs_resettlement_q12	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing		=			
Alignment Supplement	13. Security and Human Rights	rs_security_q13	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing	, ,	_ '-'			
Alignment Supplement	14. Labour Rights	rs_labour_q14	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing	15. Compensation for Work Related Injury,				
Alignment Supplement	Illness & Fatality	rs_injury_q15	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing					
Alignment Supplement	16. Employee Remuneration	rs_employee_q16	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing					
Alignment Supplement	17. Diversity and Women in Mining	rs_diversity_q17	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing					
Alignment Supplement	18. Environmental Risk Management	rs_erm_q18	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing					
Alignment Supplement	19. Closure	rs_closure_q19	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing	20. Pollution Prevention and Waste				
Alignment Supplement	Management	rs_pollution_q20	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing					
Alignment Supplement	21. Noise and Vibration	rs_noise_q21	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing					
Alignment Supplement	22. Emissions to Air	rs_emissions_q22	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing					
Alignment Supplement	23. Spills and Leakage	rs_spills_q23	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing					
Alignment Supplement	24. Hazardous Substances	rs_hazardous_q24	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing					
Alignment Supplement	25. Land Use and Deforestation	rs_land_use_q25	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing					
Alignment Supplement	26. Circular Economy	rs_circular_q26	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing					
Alignment Supplement	27. Local Procurement	rs_local_procurement_q27	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing					
Alignment Supplement	28. Cultural Heritage	rs_cultural_heritage_q28	String	Not NULL	yes, no, not applicable
A1: Responsible Sourcing					
Alignment Supplement	29. Artisanal and Small-Scale Mining	rs_artisanal_q29	String	Not NULL	yes, no, not applicable