

Tailings

Total amounts of overburden, rock, tailings, and sludges and their associated risks (tonnes) (2020)	Group	Edikan	Sissingue	Yaoure
Total amount of overburden (waste rock) generated during the year	31,501,706	22,676,623	3,462,702	5,362,381
Total amount of tailings (including sludges) generated during the year	8,196,952	6,807,321	1,349,804	39,827

Tailings disclosure per facility

Tailings facility	Edikan	Sissingue	Yaoure
"Tailings Dam" Name/Identifier	<b>Edikan FTFS</b>	<b>Edikan CTFS</b>	<b>Sissingué</b>
Location	5°57'26" N 1°55'20" W	5°57'37" N 1°55'46" W	10°26'25" N 6°11'41" W
Ownership	Owned	Owned	Owned
Status	Active	Active	Active
Date of initial operation	Aug-11	Aug-11	Jan-18
Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes
Raising method	FTSF - valley fill, compacted clay lining with underdrainage, 1 main embankment, 16 saddle embankments (2 shared with CTFS). All raises downstream to date. Future raises: downstream for major embankments (main, embankment 1, embankment 2 and embankment 3) and upstream for remaining (minor) embankments	CTSF - valley fill, double HPDE lined with underdrainage and leak detection, 4 embankments (2 shared with FTSF, 1 shared with process water pond and 1 free-standing)	Paddock TSF, full basin compacted soil liner with composite (HDPE geomembrane overlying soil liner) in supernatant pond area. All raises downstream
Current Maximum Height	34.5m (RL208 - RL173.5)	18.8m (RL203 - RL184.6)	Stage 4 - 23.1m (RL390.0 - RL366.9)
Current Tailings Storage Impoundment Volume	38,476,000 m <sup>3</sup>	1,469,396 m <sup>3</sup>	4.6 Mm <sup>3</sup> (Stage 3)
Planned Tailings Storage Impoundment Volume in 5 years time	68,857,000 m <sup>3</sup>	1,900,000 m <sup>3</sup>	6.5 Mm <sup>3</sup> (Stage 5)
Most recent Independent Expert Review	Operational audit by EoR in November 2020	Operational audit by EoR in November 2020	Operational Audit by EoR in December 2020
Do you have full and complete relevant engineering records including design, construction, operation, maintenance and/or closure. What is your hazard categorisation of this facility, based on consequence of failure?	Yes Hazard Class B/C (GMMR 2012) and High C (ANCOLD)	Yes Hazard Class B/C (GMMR 2012) and High A (ANCOLD)	Yes ANCOLD Dam Failure - High B Environmental Spill - High B
MSHA hazard potential classification	High Hazard Potential	High Hazard Potential	High Hazard Potential
What guideline do you follow for the classification system?	Ghana Minerals and Mining Regulations 2012 ANCOLD	Ghana Minerals and Mining Regulations 2012 ANCOLD	ANCOLD
Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm)?	No	No	No
Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Limited internal TSF engineering or expertise, rely on external expertise	Limited internal TSF engineering /expertise, rely on external expertise	No internal expertise, rely on external experts
Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, June 2017	No, as the facility is small and would be contained well within the mine site	As part of design
Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Conceptual Plan Post closure monitoring for minimum of 3 years or such as is necessary	Yes, Conceptual Plan Post closure monitoring for minimum of 3 years or such as is necessary	Closure plan covered in design report. Closure plan under review
Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change. e.g. over the next two years? Any other relevant information and supporting documentation.	No	No	No
Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have.	Nil	Nil	Nil