Inspired people creating a premier global gold company

Church of England Tailings Dam Management Disclosure September 2022

Evolution MINING

Evolution Mining tailing facilities

Church of England Tailings Dam Management Disclosure - September 2022
This disclosure has been certified by Evolution Mining's Executive Chair, in line with this request

Operation	Country	State/Province	1. Tailings Dam Name/Identifier	2. Location	3. Owner	4. Status	5. Year construction was started	6. Is the dam currently operated as per approved design	7. Raising method (upstream, downstream, centreline, other)	8. Current height (metres)	9. Current volume of tailings facility(million m3)	10. Planned final volume of tailings facility (million m3)	11. Date of last external inspection including outcome	12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance and/or, closure?	13. What is the risk rating for the TMF?	14. What standards/guidelines were applied to the dam design and construction?	15. Has the facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identied by an independent engineer (even if later certified as stable by the same or a different firm)?	16. Do you have internal/in house engineering specialist oversight of this facility ? Or do you have external engineering support for this purpose?	17. Identification of habitation(s)/settlement(s) and/or flora/fauna critical habitat(s) or high biodiversity area(s) located downstream of the facility,with indication of areas or number of populations at risk,and the mitigative measures that have been undertaken or remain to be implemented.	18. a) Is there a closure plan in place for this dam and b) does it include long term monitoring?	19. 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 ?	20. Any other relevant information and supporting documentation
Cowal	Australia	New South Wales	NTSF	33°38'8.53"S 147°22'0.76"E	100% Evolution owned	Active	2005	Yes	Upstream	27.5	30.6	35.5	Jun-21	Yes	High C	ANCOLD, New South Wales Dam Safety Committee (NSWDSC)	No	Both	Yes - June 2019	a) Yes b) Yes	Yes - Tailings facility design Guidelines include evaluation of extreme weather events	
			STSF	33°38'52.64"S 147°22'9.89"	100% Evolution owned	Active	2006	Yes	Upstream	26.7	29.9	29.9	Jun-21	Yes	High C	ANCOLD, New South Wales Dam Safety Committee (NSWDSC)	No	Both	Yes - June 2019	a) Yes b) Yes	Yes - Tailings facility design Guidelines include evaluation of extreme weather events	
			IWL	33°38'45.77"S 147°22'46.82"E	100% Evolution owned	Active	2019	Yes	Downstream	34m maximum height (ranges from 16.5 to 34m)	10.7	79	Jul-21	Yes	High C	ANCOLD, New South Wales Dam Safety Committee (NSWDSC)	No	Both	Yes - January 2020	a) Yes b) Yes	Yes - Tailings facility design Guidelines include evaluation of extreme weather events	
Ernest Henry	Australia	Queensland	EHM Tailings Dam	20°27'17.01"S 140°43'57.80"E	Evolution Mining	Active	1997	Yes	Upstream	36	16.6	126.3	Aug-22	Yes	High A	ANCOLD	No	Yes External engineer - EOR Internal Geotech Engineer	Yes - January 2020	Basic capping plan from trialled program b) internal cost provisioning for 25 years of long term monitoring	Yes - Tailings facility design Guidelines include evaluation of extreme weather events	
Mungari	Australia	Western Australia	TSF Cell 1	30°45'44.80"S 121°14'21.65"	100% Evolution owned	Active	2014	Yes	Combination of downstream, central and upstream lifts	16	3.7	3.7	Nov-21	Yes	Significant	ANCOLD, ICOLD, Western Australian DMRS Guidelines, Australian Standards	No	Both. External is Knight Piesold Consulting	Undertaken	a) Yes b) Yes	Yes - Tailings facility design guidelines include evaluation of extreme weather events	
			TSF Cell 2	30°45'44.03"S 121°14'5.11"E	100% Evolution owned	Active	2014	Yes	Combination of downstream, central and upstream lifts	16	3.8	4.6	Nov-21	Yes	Significant	ANCOLD, ICOLD, Western Australian DMP Guidelines, Australian Standards	No	Both. External is Knight Piesold Consulting	Undertaken	a) Yes b) Yes	Yes - Tailings facility design guidelines include evaluation of extreme weather events	
			TSF Cell 3	30°45'44.70"S 121°13'43.72"	100% Evolution owned	Active	2021	Yes	Combination of downstream, central and upstream lifts	5	1.2	9	Nov-21	Yes	Significant	ANCOLD, ICOLD, Western Australian DMP Guidelines, Australian Standards	No	Both. External is Knight Piesold Consulting	Undertaken	Yes	a) Yes b) Yes	Q.6 Tailings was being reclaimed for paste fill
			TSF Cell 4	30°45'46"S 121°13'17"E	100% Evolution owned	Active	2021	Yes	Combination of downstream, central and upstream lifts	6	Commissioned June 2022	9	Not yet due	Yes	Significant	ANCOLD, ICOLD, Western Australian DMP Guidelines, Australian Standards	No	Both. External is Knight Piesold Consulting	Undertaken	Yes	a) Yes b) Yes	Q.6 Tailings was being reclaimed for paste fill
			TSF1	30°42'23.58"S 121°13'7.15"E	100% Evolution owned	Inactive	32478	Yes	Upstream	18	390000	390000	Feb-22	No	Category 1	Department of Mines, Industry Regulation and Safety (2013) Code of Practice - Tailings Storage Facilities in Western Australia	No	Both	No	a) Yes b) Yes	a) Yes b) Yes	Q.6 Tailings was being reclaimed for paste fill
			TSF2	30°42'36.31"S 121°13'20.17"	100% Evolution owned	Inactive	35704	Yes	Upstream	17.5	214000	214000	Feb-22	No	Category 1	Department of Mines, Industry Regulation and Safety (2013) Code of Practice - Tailings Storage Facilities in Western Australia	No	Both	No	a) Yes b) Yes	a) Yes b) Yes	Q.6 Tailings was being reclaimed for paste fill
			TSF3 Cell A	30°42'21.35"S 121°12'49.18"E	100% Evolution owned	Inactive	37347	Yes	Upstream	9	150000	150000	Feb-22	No	Category 1	Department of Mines, Industry Regulation and Safety (2013) Code of Practice - Tailings Storage Facilities in Western Australia	No	Both	No	a) Yes b) Yes	a) Yes b) Yes	Q.6 Tailings was being reclaimed for paste fill
			TSF3 Cell B	30°42'35.00"S 121°13'2.36"E	100% Evolution owned	Inactive	37377	Yes	Upstream	8	250000	250000	Feb-22	No	Category 1	Department of Mines, Industry Regulation and Safety (2013) Code of Practice - Tailings Storage Facilities in Western Australia	No	Both	No	a) Yes b) Yes	a) Yes b) Yes	Q.6 Tailings was being reclaimed for paste fill
			TSF3 Cell C	30°42'45.13"S 121°13'8.17"E	100% Evolution owned	Inactive	37561	Yes	Upstream	11	300000	300000	Feb-22	No	Category 1	Department of Mines, Industry Regulation and Safety (2013) Code of Practice - Tailings Storage Facilities in Western Australia	No	Both	No	a) Yes b) Yes	Yes - Tailings facility design guidelines include evaluation of extreme weather events	
Mt Rawdon	Australia	Queensland	Mt Rawdon TSF	25°15'44.10"S 151°45'19.17"E	100% Evolution owned	Active	2000	Yes	Upstream and Downstream	71m(Northern Embankment) 57m(South Embankment) 28m(Western embankment)	55.84	73 (at 198mRL)	Feb-22	Yes	High	ANCOLD (2019), Manual for Assessing Consequence Categories and Hydraulic Performance of Structures(DEHP)	No	Both	Undertaken	a) Yes b) Yes	No	
Red Lake	Canada	Ontario	Campbell Complex	51° 3'55.02"N 93°45'18.91"W	100% Evolution owned	Active	1983	Yes	Upstream	varying heights - max 15	7.5	9 - 10	Oct-20	Yes	Very High	Canadian Dam Association & Ontario MNR	No	Both	Yes 2018	a) Yes b) Yes	No	
			RLC Tailings Area 1 (TA1)	51° 3'42.70"N 93°41'58.66"W	100% Evolution owned	Active	2003	Yes	Downstream for SD#1, Upstream for East End Dam and North Dam	8.3	6	7	Oct-20	Yes	Low	Canadian Dam Association & Ontario MNR	No	Both	Yes 2018	a) Yes b) Yes	No	
			RLC Tailings Area 2 (TA2)	51° 3'49.94"N 93°42'28.62"W	100% Evolution owned	Active	2005	Yes	Centerline for SD#2	6.5	Combined TA1	Combined TA1	Oct-20	Yes	Significant	Canadian Dam Association and Ontario MNR at the time of construction	No	Both	Yes 2018	a) Yes b) Yes	No	
			Cochenour Dam 2 Pond	51° 4'21.32"N 93°47'57.40"W	100% Evolution owned	Inactive / Care & Maintenance	1981 for Dam 2, 2013 for North Dyke	Yes	Centreline	4.2	1.8	1.8	Oct-20	Yes	Significant	Canadian Dam Association and Ontario MNR for newer construction	No	Both	Yes	a) Yes b) Yes	No	
			Cochenour Dam 3 Pond	51° 3'59.17"N 93°48'40.74"W	100% Evolution owned	Inactive / Care & Maintenance	1958 for Dam 3, 2010 for South dyke	Yes	Centreline	7	Combined Dam 2 Pond	Combined Dam 2 Pond	Oct-20	Yes	High	Canadian Dam Association and Ontario MNR for newer construction	No	Both	Yes	a) Yes b) Yes	No	
			Balmer Tailings	51° 4'13.77"N 93°44'38.48"W	100% Evolution owned	Inactive / Care & Maintenance	1970's	Yes	Other	4	2.5	2.5	Oct-20	Yes	Low	Canadian Dam Association and Ontario MNR for newer construction	No	Both	Yes	a) Yes b) Yes	No	
			Bateman TMA	51° 7'18.25"N 93°44'49.66"W	100% Evolution owned	Inactive / Care & Maintenance	1980's	Yes	Other	10 South Dam	0.1	0.65	Jun-21	Yes	Very High (South Dam)	Canadian Dam Association and Ontario MNR for newer construction	No	Both	Yes	a) Yes b) Yes	No	