

1. "Tailings Dam" Name/identifier	Mine	Yaso			
	Facility	Shishigoyasawa	Rotenbori-Ato	Abandoned in 1970 Akakura No.1	Akakura No.2
2. Location	Takihara, Minamiaizu, Fukushima, Japan 37° 3'44.49"N,139° 39'26.67"E	Iwashita-Kazumasawa, Minamiaizu, Fukushima, Japan 37° 4'42.48"N,139° 38'21.76"E	Takihara, Minamiaizu, Fukushima, Japan 37° 3'41.19"N,139° 39'48.26"E	Takihara, Minamiaizu, Fukushima, Japan 37° 3'44.84"N,139° 39'54.07"E	Iwashita-Kazumasawa, Minamiaizu, Fukushima, Japan 37° 0'74.46"N,139° 63'98.15"E
3. Ownership	Sumitomo Metal Mining Co., Ltd.	Sumitomo Metal Mining Co., Ltd.	Sumitomo Metal Mining Co., Ltd.	Sumitomo Metal Mining Co., Ltd.	Sumitomo Metal Mining Co., Ltd.
4. Status	closed	operated (see Q.20 column)	closed	closed	operated (see Q.20 column)
5. Date of initial operation	September, 1956	unknown	December, 1954	July, 1955	unknown
6. Is the Dam currently operated or closed as per currently approved design?	yes	yes	yes	yes	yes
7. Raising method	upstream	upstream	upstream	upstream	single dike
8. Current Maximum Height(meters)	39.0	6.0	10.0	8.5	unknown
9. Current Tailings Storage Impoundment Volume (m³)	871,756	5,000	73,456	60,558	unknown
10. Planned Tailings Storage Impoundment Volume in 5 years time.	871,756	5,000	73,456	60,558	unknown
11. Most recent Independent Expert Review	March 24, 2014	March 24, 2014	March 24, 2014	March 24, 2014	December 26, 2017
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance and/or closure.	yes	yes	yes	yes	yes
13. What is your hazard categorisation of this facility, based on consequence of failure? *2) evaluated the stabilization by the anti-earthquake based on the Mine Safety Act in Japan.	stable	stable	stable (see Q.20 column)	stable (see Q.20 column)	stable (see Q.20 column)
14. What guideline do you follow for the classification system?	Mine Safety Act in Japan	Mine Safety Act in Japan	Mine Safety Act in Japan	Mine Safety Act in Japan	Mine Safety Act in Japan
15. 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	no	no
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	both	both	both	both	both
17. 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 October 9, 2018	yes February 25, 2019	yes October 9, 2018	yes October 9, 2018	yes February 25, 2019
18a). Is there a closure plan in place for this dam,?	yes	yes	yes	yes	yes
18b). Does it include long term monitoring?	yes	yes	yes	yes	yes
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?	yes	yes	yes	yes	yes
20. Any other relevant information and supporting documentation.	none	use for storage facility of neutralized solids at WTP *WTP: water treatment plant of mine drainage	Seismic reinforcement work completed in 2018	Seismic reinforcement work completed in 2017	*1)use for storage facility of neutralized slurry at WTP *WTP: water treatment plant of mine drainage *2)Seismic reinforcement work completed in 2016

*1) waste rock dump