

Fortescue Tailings Storage Facilities Register



30 June 2020

Facility	Location (Long/Lat)	Ownership	Status	Date of Initial Operation	Is the Dam currently operated or closed as per currently approved design ?	Facility Type/Raising Method	Current Max Height (m)	Tailings Volume (Mm3)	Planned Tailings Volume (Mm3) in 5yrs Time	Current Surface Area (Ha)	Remaining Facility Life	Most recent Independent Audit	Complete Engineering records including design, construction, operation, maintenance and/or closure	ANCOLD Consequence Rating based on the seven ANCOLD categories Very Low, Low, Significant, High C, High B, High A and Extreme	Has this facility, at any point in its history, failed to be confirmed or certified as stable.	Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	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?	Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	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	Nearest Town/Water Course/Wetland (No towns would be impacted by any TSF failure)
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Cloudbreak, Pilbara Region, Western Australia

Hamilton TSF	119.42, -22.3	Fortescue	Closed - Backfilled	Jan-10	Yes	In-Pit storage facility	n/a	0.9	n/a	n/a	n/a	n/a	Yes	Very Low	No	Both	Yes - Design Stage	Yes and Yes	Yes	5km to Fortescue Marsh - wetlands 120km to Newman - town
Daydream TSF	119.39, -22.3	Fortescue	Closed - Backfilled	Jan-09	Yes	In-Pit storage facility	n/a	1.5	n/a	n/a	n/a	n/a	Yes	Very Low	No	Both	Yes - Design Stage	Yes and Yes	Yes	5km to Fortescue Marsh - wetlands 120km to Newman - town
Hook TSF	119.38, -22.3	Fortescue	Under rehabilitation - Backfilling	Jul-10	Yes	In-Pit storage facility	n/a	2.0	n/a	n/a	n/a	Nov-19	Yes	Very Low	No	Both	Yes - Design Stage	Yes and Yes	Yes	5km to Fortescue Marsh - wetlands 120km to Newman - town
Brampton Phase 3 TSF	119.36, -22.3	Fortescue	Active	Dec-12	Yes	In-Pit Storage / Single embankment	20	24.2	27.0	120	Jul-21	Nov-19	Yes	Low	No	Both	Yes - Design Stage	Yes and Yes	Yes	5km to Fortescue Marsh - wetlands 120km to Newman - town
Brampton In-Pit TSF	119.36, -22.3	Fortescue	Active	Jan-20	Yes	In-Pit storage facility	n/a	2.5	31.5	285	2030	Nov-19	Yes	Very low	No	Both	Yes - Design Stage	Yes and Yes	Yes	5km to Fortescue Marsh - wetlands 120km to Newman - town

Iron Bridge, Pilbara Region, Western Australia

TSF1	119.05, -21.2	Ironbridge JV	Care and Maintenance	Mar-15	Yes	Zoned compacted rockfill full height mass gravity valley dam	21	0.3	n/a	5	n/a	Dec-19	Yes	Very Low	No	Both	Yes - Design Stage	Yes and Yes	Yes	Catchment of Chiannamon Creek- water course 110km to Port Hedland - town
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Christmas Creek, Pilbara Region, Western Australia

Vasse TSF	119.73, -22.3	Fortescue	Inactive- Surface is dry, tailings has consolidated ready for rehabilitation	Jun-11	Yes	Combined in-pit and above ground facility raised incrementally across full width base dam.	15	14.0	n/a	85	n/a	Nov-19	Yes	Low	No	Both	Yes - Design Stage	Yes and Yes	Yes	11km to Fortescue Marsh - wetlands 110km to Newman - town
Windich TSF	119.78, -22.3	Fortescue	Inactive; surface is dry, tailings has consolidated ready for rehabilitation; downstream in-pit-backfill/buttressing with waste rock dumping	Oct-12	Yes	In-pit storage facility; single divider embankment; downstream raise.	6	6.6	n/a	110	n/a	Nov-19	Yes	Very Low	No	Both	Yes - Design Stage	Yes and Yes	Yes	10km to Fortescue Marsh - wetlands 110km to Newman - town
Flinders TSF	119.71, -22.4	Fortescue	Active	Sep-16	Yes	In-Pit storage facility	n/a	21.2	47.1	185	Jan-25	Nov-19	Yes	Low	No	Both	Yes - Design Stage	Yes and Yes	Yes	8km to Fortescue Marsh - wetlands 110km to Newman - town

Solomon, Pilbara Region, Western Australia

TSF1	117.9, -22.1	Fortescue	Active	Dec-13	Yes	Compacted earth/waste-rock mass gravity valley dam raised incrementally across full width base dam. Deposited tailings beach away from embankment towards remote decant pond (1.2km)	48.5	22.2	46.6	100	Dec-21	Nov-19	Yes	Significant	No	Both	Yes - Design Stage	Yes and Yes	Yes	Catchment of Kangeenarina Creek - water course 60 km to Tom Price - town
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Note:

1. In-pit storage facilities in some cases include single embankments for containment below natural topography level
2. Maximum Height of embankment above pre-mining/natural topography