

# Fortescue Tailings Storage Facilities Register



30 June 2021

| 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) |
|----------|---------------------|-----------|--------|---------------------------|--|------------------------------|------------------------|-----------------------|--|---------------------------|-------------------------|-------------------------------|--|---|--|--|---|--|---|---|
|----------|---------------------|-----------|--------|---------------------------|--|------------------------------|------------------------|-----------------------|--|---------------------------|-------------------------|-------------------------------|--|---|--|--|---|--|---|---|

## 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<br>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<br>120km to Newman - town |
| Hook TSF             | 119.38, -22.3 | Fortescue | Under rehabilitation - Backfilling | Jul-10 | Yes | In-Pit storage facility            | n/a | 1.85 | n/a  | n/a | n/a    | Oct-20 | Yes | Very Low | No | Both | Yes - Design Stage | Yes and Yes | Yes | 5km to Fortescue Marsh - wetlands<br>120km to Newman - town |
| Brampton Phase 3 TSF | 119.36, -22.3 | Fortescue | Active                             | Dec-12 | Yes | In-Pit Storage / Single embankment | 20  | 23.6 | 27.0 | 120 | Jul-21 | Oct-20 | Yes | Low      | No | Both | Yes - Update 2020  | Yes and Yes | Yes | 5km to Fortescue Marsh - wetlands<br>120km to Newman - town |
| Brampton In-Pit TSF  | 119.36, -22.3 | Fortescue | Active                             | Jan-20 | Yes | In-Pit storage facility            | n/a | 7.3  | 31.5 | 285 | 2030   | Oct-20 | Yes | Very low | No | Both | Yes - Design Stage | Yes and Yes | Yes | 5km to Fortescue Marsh - wetlands<br>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 | Oct-20 | Yes | Very Low | No | Both | Yes - Update 2021 | Yes and Yes | Yes | Catchment of Chiannamon Creek- water course<br>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  | 13.0 | n/a  | 85  | n/a    | Oct-20 | Yes | Low      | No | Both | Yes - Update 2020  | Yes and Yes | Yes | 11km to Fortescue Marsh - wetlands<br>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.                      | 15  | 12.0 | n/a  | 110 | n/a    | Oct-20 | Yes | Very Low | No | Both | Yes - Design Stage | Yes and Yes | Yes | 10km to Fortescue Marsh - wetlands<br>110km to Newman - town |
| Flinders TSF | 119.71, -22.4 | Fortescue | Active   | Sep-16 | Yes | In-Pit storage facility  | n/a | 26.8 | 47.1 | 185 | Jan-25 | Oct-20 | Yes | Very Low | No | Both | Yes - Design Stage | Yes and Yes | Yes | 8km to Fortescue Marsh - wetlands<br>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) | 65 | 25.6 | 46.6 | 100 | Dec-21 | Oct-20 | Yes | Significant | No | Both | Yes - Update 2020 | Yes and Yes | Yes | Catchment of Kangeenarina Creek - water course<br>60 km to Tom Price - town |
|------|--------------|-----------|--------|--------|-----|--|----|------|------|-----|--------|--------|-----|-------------|----|------|-------------------|-------------|-----|---|

**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