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Introduction In environmental stewardship,

In environmental stewardship, we focus on zero-harm principles when designing and operating our mines. In the countries where we operate, environmental legislation sets out strict requirements to prevent soil and water contamination.

All our tailings storage facilities (TSF) undergo regular audits for compliance with these requirements as well as safety examinations. TSFs are regularly monitored by our on-site environmental and engineering teams. Pipelines, pump stations, water levels and dams are inspected on daily basis. We ensure emergency preparedness and response procedures at all stages of TSF life, from design to operation to closure.

We have committed to achieving compliance with the new Global Industry Standard on Tailings Management in all operations by 2023. We use corporate TSF management system to ensure control and increase the rigour of assessment and management of tailings storage facilities, including emergency response plans. The goal is to eliminate causes of dam failure, such as poor management and inadequate planning for heavy precipitation, which often increases the prob ability of accidents. We now operate 8 active tailings dams and 1 inactive, and historically there have been no environmental accidents involving tailings facilities at our operations.

Increasingly, we are shifting towards safer methods of waste storage, such as the dry stack (filtered cake) tailings. Dry tailing storage significantly reduces the risk of dam failure, drastically lowers the potential damage from such accident, and eliminates tailings runoff. In 2021, we launched dry stack tailings solution at the Omolon mine where it substitutes conventional dam, as well as at the recently launched Nezhda mine. We plan to extend it to POX-2 (2023) and Dukat (2024), and build an additional dry stacking facility at Voro (2023). We have committed to using dry stacking only at all new sites.

Technical overview

In Polymetal, there are two types of tailings storage:

- 1. Traditional method of hydraulic filling of tailings in the storage;
- 2. Tailings filtration and dry stacking in piles.

When designing TSF, the following features are taken into account: engineering and geological conditions, climate conditions (precipitation, evaporation, seismic) and the availability of materials for construction.

As of today, Polymetal operates:

- 4 active and 1 inactive upstream TSFs (when consecutive dam is elevated with partial resting on the previously constructed wall);
- 3 active downstream TSFs;
- 1 active centerline TSF;
- and 4 active dry stacking facilities (DSFs).

To reduce risks of TSF operation and risks of potential changes in geological conditions, we conduct engineering, seismic, and geological surveys and test pulp at least once in 5 years. Using monitoring data (temperature of soils, depression curve) and physical features of materials used for the TSF foundation and dam construction, we adjust stability calculations and risk assessment. All this enables us to reassess the most severe consequences in case of hydrodynamic accident and we correct accordingly.

Furthermore, we have estimated potential damage areas in case of an emergency. At all of Polymetal's TSFs, emergency failure will have no impact on settlements, buildings, structures or facilities where people may be present. Thus, the risk of loss of human life is minimal.

We thoroughly review all of our TSFs and conduct regular visual, geological, engineering and hydrological surveys. We update thermal, stress-strain and stability calculation which we used as confirmation to further elevate and operate dams in a safe way.

Kyzyl

| 1. "Tailings Facility" Name/identifier | Kyzyl TSF |
|--|--|
| | Key facts: — downstream construction, — valley-fill type, — beach width is not regulated, — water pressure on the dam is permitted, — TSF is formed by three dams and a hill slope on the fourth side. |
| 2. Location | Kazakhstan N 81°37′41″ E 49°42′10″ |
| 3. Ownership | Bakyrchik Mining Venture LLC |
| 4. Status | Active |
| 5. Date of initial operation | 2018 |
| 6. Is the Dam currently operated or closed as per currently approved design? | Operated as per currently approved design |
| 7. Raising method | Downstream. Dam No 1 is raised during 4th phase on the downstream slope. Dams No 2, 3 are raised to full height. |
| 8. Current Maximum Height | 30 m |
| 9. Current Tailings Storage Impoundment Volume | 5,019,237 m³ |
| 10. Planned Tailings Storage Impoundment Volume in 5 years' time | 1.01.2022 - 31.12.2026: 6,387,058 m³. Total by 2026: 11,406,295 m³. Tailing dam's capacity expansion to be carried out after 01.01.2026. * Figures have been adjusted with the filling coefficient in 2022. |
| 11. Most recent Independent Expert Review | 2020 - Experts' review on the safety declaration for the enclosing dam №1 (2nd phase) to confirm suitability of further safe operation, done by "Triving". |
| 12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure? | Yes: Design project: TSF for storing tailings of sulphide ore flotation and carbon-bearing product of the process plant of Bakyrchik mining venture LLC, including Environmental Impact Assessment (Kazakhstan Design and Engineering Centre "Littera 3", Oskemen, 2016); Operation project: TSF for storing tailings of sulphide ore flotation and carbon-bearing product of the process plant of Bakyrchik mining venture LLC (Projecttechstroy, Oskemen, 2017); Detailed working documents; Industrial safety declaration for hazardous industrial facility of the Bakyrchik mining venture LLC (the city of Semey, 2018); Industrial safety declaration for the TSF for storing tailings of sulphide ore flotation and carbon-bearing product of the process plant of Bakyrchik mining venture LLC (Oskemen, 2016). |

13. What is your hazard categorization of this facility, based on the consequence of failure?

- TSF category (responsibility level): I high.
 - Number of permanent residents none;
 - Living environment is not disturbed;
 - Harm to ecosystem is not significant and damage rehabilitation costs less than USD 1.5 m;
 - Potential failure would be within the land plots leased to the company.
- TSF category depending on dam height and ground type IV.
- TSF category under Dam Safety Reference Book of CDA (CDA, 2019) and Global Industry Standard on Tailings Management (2020) - significant.
- 14. What guideline do you follow for the classification system?

Construction standards and regulations of Kazakhstan 3.04-01-2013, Appendix 2;

Kazakhstan Construction Regulation 1.02-04-2013 "Classification of Construction Facilities and Urban Development Areas Based on Levels of Responsibility":

Recommendations on design and construction of sludge collectors and tailings dams in metallurgical industry, paragraph 3.25, Table 1;

Dam Safety Reference Book of CDA (CDA, 2019) – used for corporate purposes as a reference source;

Global Industry Standard on Tailings Management, 2020.

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)?

The facility did not fail to be confirmed or certified as stable, or experienced notable stability concerns;

No risks affecting stability have been identified during the facility operation:

Management efficiency is regularly estimated under the corporate TSF Management System and applicable legal requirements.

16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?

During the construction stage we use designer supervision.

During operation, we ensure internal control on the TSF condition under the corporate TSF Management System.

There are several types of control checks:

Scheduled:

- a) Level 1 carried out by an employee responsible for the TSF at the operation:
- b) Level 2 carried out by other technical specialists at the operation;
- c) Level 3 carried out by representatives of Polymetal Management Company (as consulting).

Unscheduled:

- a) in case of system processes review initiated by the Company's Top Management (Group CEO, COO, managing director of the project);
- b) in case of multiple violations of legislative, regulatory and other requirements, applied to the TSF;
- c) in case of identifying adverse trends as a result of statistics analysis;
- d) in case of accidents (emergencies) affecting safety level at the TSF.

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.

Impact assessment of potential hazards for human life and health, the environment and the infrastructure in case of TSF failure is included in the design project of the 3d phase of the tailing dam issued by Kaznedroproject LLC in 2020.

- 18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?
- a) No.
- b) No. Reclamation Program will be developed in details by the time of the TSF closure.

Dry stacking

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?

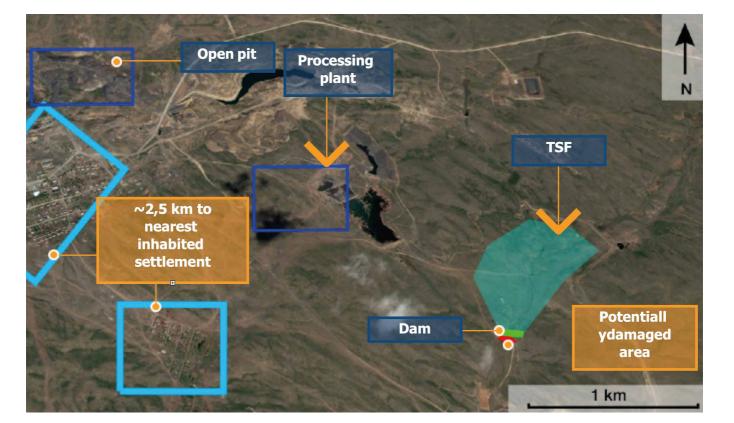
Yes, during the potential damage estimation.

20. Any other relevant information and supporting documentation.

Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have.

- Dams No 1, 2, 3 are of rock-fill type.
- Dam No 1 is raised in 4 phases, with total height of 34.5 m.
- Dam No 2 is raised in 1 phase, with height up to 7.5 m.
- Dam No 3 is raised in 1 phase, with height up to 16.5 m.
- Rock fill buttressing.
- On the upstream slope there is impermeable screen of geomembrane up to the dam crest.
- On the downstream slope there is pipe drainage.
 - Inclination angle of upstream slope 1:3.
- Downstream slope 1:2.5.
- The normative safety factor adjusted for this category of facility for solidi ty and consequences significance should be equal or more than 1.33.
- Safety factor calculated for the current TSF equals 1.52.
- We have a complete package of design documentation and permits on hand.
 - TSF is located in a region prone to earthquakes and has the potential to experience ground shaking levels of Intensity 6 (VI).
- The watershed area is 1,067 km².
- The TSF is dyked (hydro-protected) by a network of interception channels and a stream diversion channel, designed to hold maximum seasonal and rainfall flood flows with 1% annual exceedance probability.
- Spill discharge volume is estimated at 1,110,000 m³.
 - The area flooded in case of hydrodynamic accident would be 0.4 km².
- Overfilling of the TSF impoundment and the spill over the dam crest may occur in case of:
- receiving a surface runoff with 1% Annual Exceedance Probability,
- failure of the stream diversion channel and interception channel (including timely snow clearing) and
 - uncontrolled filling of the TSF with simultaneous suspension of water withdrawal from it.
- The likelihood of a hydrodynamic accident has been estimated to be minimal because the design provides for at least 2 m freeboard between the TSF filling level and the dam crest elevation.

Kyzyl TSF location and affected area in case of dam failure



Varvara

| 1. "Tailings Facility" Name/identifier | Varvara TSF |
|---|--|
| | Key facts: — downstream dam construction, — ring-dyke type, — made of local ground, — raised in 6 phases. |
| 2. Location | Kazakhstan N 52°57'26" E 62°07'23" |
| 3. Ownership | JSC Varvarinskoye |
| 4. Status | Active |
| 5. Date of initial operation | 2007 |
| 6. Is the Dam currently operated or closed as per currently approved design? | Operated as per currently approved design |
| 7. Raising method | Until 2017, 4 phases with a total height of 18m were constructed, each dam was raised partly on previously placed tailings and partly on crest of the dam which was constructed during previous phase. |
| | Starting from 2017, the dam is has been raised on downstream slope. |
| 8. Current Maximum Height | 22 m |
| 9. Current Tailings Storage Impoundment Volume | 33,865,393 m³ |
| 10. Planned Tailings Storage Impoundment Volume in 5 years' time | 1.01.2022 - 01.07.2025: 11,954,020 m³. |
| | Total by 2025: 43,490,280 m³. Construction of a new dam to be carried out after 01.07.2025. |
| | * Figures have been adjusted with the filling coefficient in 2022. |
| 11. Most recent Independent Expert Review | 2021 - An independent audit of the tailing site carried out by SRK Consulting; |
| | 2020 - An inspection of tailings storage engineering condition by the governmental supervision authorities. |
| 12. Do you have full and complete relevant | Yes: |
| engineering records including design, construction, operation, maintenance, and/or closure? | Design project by State Scientific and Production Association of Industrial Ecology KAZMECHANOBR, 2004; |
| | Operation project by State Scientific and Production Association of Industrial Ecology KAZMECHANOBR, 2011; |
| | Operation project by State Scientific and Production Association of Industrial Ecology KAZMECHANOBR, 2015; |
| | Operation project of TSF phases 5 and 6 by Projecttechstroy, 2018; |
| | Detailed working documents – technical procedures of the TS 2017; |
| | TSF passport dated 01.01.2021; |
| | |

Facility instructions "Operation of hydraulic structures of the TSF" IP 01-007, 2018.

Dry stacking

Yes.

In 2018, Projecttechstroy PLC issued a report "Estimation and analysis with the purpose of determining consequences caused by damage of enclosure and spillway facilities, boundary of possible flood zone, contamination of groundwater and surface watercourses in case of hydrodynamic accident at the tailings dam of Varvara processing plant.

a) Yes.

b) No. Reclamation Program will be developed in details by the time of the TSF closure. There is a scenario of dam failure caused by an externality (natural disaster) in the potential damage estimation (clause 17): the emergency probability there is assessed as low.

13. What is your hazard categorization of this facility, based on the consequence of failure?

- TSF category (responsibility level): I high.
 - Number of permanent residents none;
 - Living environment is not disturbed;
 - Harm to ecosystem is not significant and damage rehabilitation costsless than USD 1.6 m;
 - Potential failure would be within the land plots leased to the company.
- TSF category depending on dam height and ground type IV.
- TSF category under Dam Safety Reference Book of CDA (CDA, 2019) and Global Industry Standard on Tailings Management (2020) – significant.
- 14. What guideline do you follow for the classification system?

Construction standards and regulations of Kazakhstan 3.04-01-2013, Appendix 2;

Kazakhstan Construction Regulation 1.02-04-2013 "Classification of Construction Facilities and Urban Development Areas Based on Levels of Responsibility";

Recommendations on design and construction of sludge collectors and tailings dams in metallurgical industry, paragraph 3.25, Table 1;

Dam Safety Reference Book of CDA (CDA, 2019) – used for corporate purposes as a reference source;

Global Industry Standard on Tailings Management, 2020.

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)?

Yes. The independent audit carried out by SRK Consulting in 2021 revealed that there is insufficient data on the stability characteristics of the soil.

As a response to this, additional engineering and geological surveys will be carried out in 2022 to assess the stability of the structure.

16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?

During the construction stage we use designer supervision.

During operation, we ensure internal control on the TSF condition under the corporate TSF Management System.

There are several types of control checks:

Scheduled:

- a) Level 1 carried out by an employee responsible for the TSF at the operation;
- b) Level 2 carried out by other technical specialists at the operation;
- c) Level 3 carried out by representatives of Polymetal Management Company (as consulting).

Unscheduled:

- a) in case of system processes review initiated by the Company's Top Management (Group CEO, COO, managing director of the project);
- b) in case of multiple violations of legislative, regulatory and other requirements, applied to the TSF;
- c) in case of identifying adverse trends as a result of statistics analysis;
- d) in case of accidents (emergencies) affecting safety level at the TSF.

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?

18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?

Dry stacking

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?

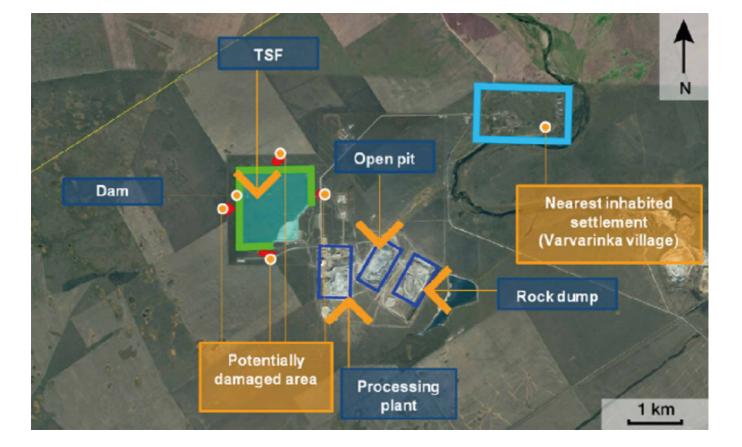
There is a scenario of dam failure caused by an externality (natural disaster) in the potential damage estimation (clause 17): the emergency probability there is assessed as low.

20. Any other relevant information and supporting documentation.

Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have.

- Dams No 1, 2, 3 are of rock-fill type.
- The dam is constructed under the design project 2004. Dam of Phase 1 (starter dam) is filled around the entire perimeter at a height from 5.0 m to 7.0 m and 1:2.5 slope. Secondary dams (phases) are built from local construction materials (loam) and placed on deposited tailings in the direction of the upstream slope and have a height of 3m each.
- A reconstruction project was completed in 2017: the dam is raised on the downstream slope with rock in two phases. At Phase 5 the dam crest width is 11.0 m, upstream slope - 1:3, downstream slope - 1:1.5. A 12.0 m wide berm is arranged on the downstream slope. Raising is carried out in two phases.
 - The dam is constructed with a thick shield of geomembrane. A drainage system along dams is available to prevent seepage and includes pipe drains, drain headers, pump stations and cycled water pipelines.
- The normative safety factor adjusted for this category of facility for solidity and consequences significance should be equal or more than 1.20. Safety factor calculated for the current TSF equals 1.205.
- We have a complete package of design documentation and permits on hand.
- TSF is located in a region prone to earthquakes and has the potential to experience ground shaking levels of Intensity 6 (VI).
- The watershed area is 1.96 km². The area flooded in case of hydrodynamic accident would be 0.02 km². Spill discharge volume is estimated at 1,404 m³.
- The creeks flood plain elevations in the TSF section are below the elevations of the pit edge, in which the TSF is located. No water diversion structures are provided. The sediments in the TSF area are accumulated in the settling pond and are included into the water balance.
- The existing system of circulating water supply uses 2 floating pumping stations (operating and backup). Also, the design provides for at least 1.5 m freeboard between the TSF filling level and the dam crest elevation. The width of the beach area from the edge of the dam is 100 m. The inflow of surface water from adjacent territory is impossible. Considering that the area of the TSF is more than 1.7 million m², and a pumping station is always operational, a sudden and uncontrollable rise in the water level by 1.5 m is impossible.

Varvara TSF location and affected area in case of dam failure



TSF category under Dam Safety Reference Book of CDA (CDA, 2019) and the Global Industry Standard on Tailings Management

Mayskoye

| 1. "Tailings Facility" Name/identifier | Mayskoe TSF |
|--|--|
| | Key facts: — downstream raising valley-fill type, — beach width has no limits, — water pressure on the dam is permitted, — raised in 6 phases. |
| 2. Location | Russia N 68°59´24″ E 173°44´17″ |
| 3. Ownership | Limited Liability Company "Gold Mining Company Mayskoye" |
| 4. Status | Active |
| 5. Date of initial operation | 1.04.2012 |
| 6. Is the Dam currently operated or closed as per currently approved design? | Operated as per currently approved design |
| 7. Raising method | Downstream |
| 8. Current Maximum Height | 27 m |
| 9. Current Tailings Storage Impoundment Volume | 5,219,499 m³ |
| 10. Planned Tailings Storage Impoundment Volume in 5 years' time | 01.01.2022 - 31.12.2026: 3,253,333 m³. Total by 2026: 8,472,832 m³. * Figures have been adjusted with the filling coefficient in 2022. |
| 11. Most recent Independent Expert Review | 2020/2021 – An audit of the hydrological structure by Knight Piesold Limited, London; 2021 – A review by inspection team consisting of Polymetal's representatives and Russian Federal Environmental, Industrial and Nuclear Supervision Service (Rostechnadzor). |
| 12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure? | Yes: Tailings dam project, ref. No 26 02 13 072 05, issued in 2018. Safety declaration for TSF, including: tailings dam monitoring project; safety criteria; potential damage estimation; experts' review of the facility readiness to emergency consequences mitigation; emergency response plan updated annually; tailings dam operation procedures; job description and occupational health and safety guidelines. Experts' Review of hydraulic structure safety declaration. |
| 13. What is your hazard categorization of this facility, based on the consequence of failure? | TSF category (depending on consequences of potential hydrodynamic emergency) - IV, low hazard: Number of permanent residents - none; Living environment is not disturbed; Harm to ecosystem is not significant damage rehabilitation costs less than USD 1.5 m; Potential failure would be within the land plots leased the company. TSF category depending on dam height and ground type - II, high hazard. |

(2020) - significant.

of more regular extreme weather events as a result of climate change, e.g. over

the next two years?

Dry stacking

14. What guideline do you follow for the Russian State Regulation No 1607 of 05.10.2020 "On Hydraulic classification system? Structure Classification"; Dam Safety Reference Book of CDA (CDA, 2019) - used for corporate purposes as a reference source; Global Industry Standard on Tailings Management, 2020. 15. Has this facility, at any point in its history, failed to be confirmed or An independent audit held by Knight Piesold Limited in 2020/2021 certified as stable, or experienced notable stability concerns, as identified confirmed that the soils are currently frozen. However, taking into by an independent engineer (even if account the potential climate change risks, in 2022 it additional later certified as stable by the same or a geophysical works to confirm the stability of the permafrost will be different firm)? carried out. Management efficiency is regularly estimated under the corporate TSF Management System and applicable legal requirements. 16. Do you have internal/in house During the construction stage we use designer supervision. engineering specialist oversight of this facility? Or do you have external During operation, we ensure internal control on the TSF condition engineering support for this purpose? under the corporate TSF Management System. There are several types of control checks: Scheduled: a) Level 1 - carried out by an employee responsible for the TSF at the operation. b) Level 2 - carried out by other technical specialists at the operation; c) Level 3 - carried out by representatives of Polymetal Management Company (as consulting). Unscheduled: a) in case of system processes review - initiated by the Company's Top Management (Group CEO, COO, managing director of the project); b) in case of multiple violations of legislative, regulatory and other requirements, applied to the TSF; c) in case of identifying adverse trends as a result of statistics analysis; d) in case of accidents (emergencies) affecting safety level at the TSF. 17. Has a formal analysis of the Yes. downstream impact on communities, ecosystems and critical infrastructure in In 2021, LLC NTC Spetspromhydrotech (Moscow) carried out an the event of catastrophic failure been impact assessment of potential hazards for human life and health, undertaken and to reflect final the environment and the infrastructure in case of TSF failure. conditions? If so, when did this The results of the assessment have been approved by the local assessment take place? governmental authorities. 18. Is there a) a closure plan in place for a) Yes. Technical measures for closure/reclamation are specified in this dam, and b) does it include long the TSF design documentation, which was signed-off by the State term monitoring? Commission. According to the legal requirements, a decision on closure is made in accordance with its design lifetime. b) Yes. Closure project contains the following: Measures for closure/reclamation; People responsible for TSF safety during closure/reclamation (officials or organization); Period of closure/reclamation measures; Evaluation and forecast of possible changes of natural and man-made conditions of the TSF after its closure/reclamation. This evaluation can be made by the contractor who has permission for design and engineering surveying if this evaluation or forecast was not a part of initial TSF design project. 19. Have you, or do you plan to assess your tailings facilities against the impact

There is a scenario of dam failure caused by an externality (natural

disaster) in the potential damage estimation (clause 17):

the emergency probability there is assessed as low.

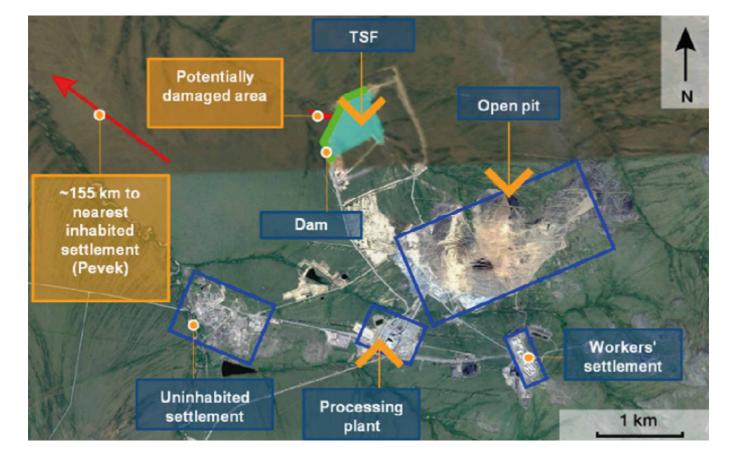
Omolon

20. Any other relevant information and supporting documentation.

Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have. TSF design project done by "Polymetal Engineering" in 2011:

- The dam is constructed using local crushed stone with 1.5 mm thick shield of HDPE geomembrane. In order to eliminate any seepage, a 6 m deep core trench is excavated and filled with loam, where a film shield is embedded.
- The dam crest width is 11 m, upstream slope is 1:3, general downstream slope is 1:2. Maximum total dam height is 23 m.
- The dam is raised in 3 phases using a downstream raising method. The dam crest elevation is 246.0 m for phase 1, 251.0 for phase 2 and 255.0 m for phase 3.
- A drainage system along dams is available to prevent seepage and includes pipe drains, drain headers, pump stations and cycled water pipelines.
- The normative safety factor is adjusted for this category of facility for solidity and consequences significance should be equal or more than 1.20.
- The safety factor is calculated for the current TSF equals 1.38.
- TSF expansion project by "Promtechnologia" in 2019:
 - The expansion of the enclosing dam is designed to be constructed using local crushed stone with 1.5 mm thick shield of HDPE geomembrane.
- The dam crest width becomes 12 m, upstream slope is 1:3, general downstream slope is 1:2. Maximum total dam height becomes 33.50 m.
- A drainage system along dams is available to prevent seepage and includes pipe drains, drain headers, pump stations and cycled water pipelines.
- Measuring equipment four control points are installed on the enclosing dam with thermometric and piezometric wells, and surface marks to monitor the temperature regime, precipitation and dam displacement.
 - The normative safety factor is adjusted for this category of facility for solidity and consequences significance should be equal or more than 1.20.
- The safety factor is calculated for the current TSF equals 1.218.
- The facility is officially in the Russian Register of Hydraulic Structures. http://waterinfo.ru/gts/do_look.php?regnum=219770000583400
- · We have a complete package of design documentation and permits on hand.
- The TSF is located in a region prone to earthquakes and has the potential to experience ground shaking levels of Intensity 6 (VI).
- The maximum watershed area is 3.96 km².
- The TSF is dyked (hydro-protected) by a stream diversion channel and an interception channel, which are designed to hold maximum seasonal and rainfall flood flows with 0.1% annual exceedance probability as a verification case and 1% annual exceedance probability as a base case.
- The area flooded in case of a hydrodynamic accident would be approximately 4 km².
- Spill discharge volume at maximum capacity is estimated at 941,000 m³.
- Overfilling of the TSF impoundment and the spill over the dam crest may occur in case of:
 - receiving a surface runoff with 1% Annual Exceedance Probability;
 - failure of the stream diversion channel and interception channel (including timely snow clearing) and
 - uncontrolled filling of the TSF with simultaneous suspension of water withdrawal from it.
- The likelihood of a hydrodynamic accident has been estimated to be minimal because the design provides for at least 1.5 m freeboard between the TSF filling level and the dam crest elevation.

Mayskoe TSF location and affected area in case of dam failure



Omolon hub

| 1. "Tailings Facility" Name/identifier | OmolonTSF |
|---|---|
| | Key facts: — upstream (elevated by gradual raising towards upstream slope) — located in depleted open pit mine, — beach width is not regulated, — water pressure on the dam is permitted, — raised in 3 phases, — phase 1 dam is settled on the pit wall, two subsequent phases are placed partly on tailings and partly on the dam crest from previous phase |
| 2. Location | Russia N 63°41′16″ E 59°59′13″ |
| 3. Ownership | Limited Liability Company "Omolon Gold Mining Company" |
| 4. Status | Active |
| 5. Date of initial operation | 2010 |
| 6. Is the Dam currently operated or closed as per currently approved design? | Operated as per currently approved design |
| 7. Raising method | Elevated by gradual raising towards upstream slope. |
| | Phase 1 dam is placed on the pit wall, two subsequent phases are placed partly on tailings and partly on the dam crest from previous phase. |
| 8. Current Maximum Height | 28 m |
| 9. Current Tailings Storage Impoundment Volume | 7,366,779 m³. |
| 10. Planned Tailings Storage Impoundment Volume in 5 years' time | In 1Q 2022, a transition towards dry stacking was completed with no further wet tailings stored. |
| | See information on Omolon dry stacking facility on page 44. |
| 11. Most recent Independent Expert Review | 2020 - An inspection involving Polymetal representatives, the Russian Federal Environmental, Industrial and Nuclear Supervision Service (Rostechnadzor) and the Ministry of Emergency Response - as a check before issuing a permission paper and putting it in official register; |
| | 2020 – Experts' Review on the TSF safety declaration – tailings dam expansion at Kubaka process plant within mined out Glavny open pit. GTS Expert LLC, St. Petersburg. |
| 12. Do you have full and complete relevant | Yes: |
| engineering records including design, construction, operation, maintenance, and/or closure? | Design documentation "Tailings dam expansion at Kubaka process plant within mined out Glavny open pit"; |
| | Positive review of Federal Autonomous Organization Main State Expertise, No1144-12_GGE-8315_15 of 7.12.12; |
| | Safety Declaration ref. No 20-21(02)0016-00-ГОР approved on 28.01.2021 including: tailings dam monitoring project; safety criteria; potential damage estimation; experts' review of the facility readiness to emergency consequences mitigation; emergency response plan updated annually; tailings dam operation procedures; job description and occupational health and safety guidelines. |

13. What is your hazard categorization of

this facility, based on the consequence

14. What guideline do you follow for the

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

16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?

classification system?

different firm)?

of failure?

• TSF category (depending on consequences of potential

hydrodynamic emergency) - IV, low hazard.

| Number of permanent residents - none; Living environment is not disturbed; Harm to ecosystem is not significant and damage rehabilitation costs less than USD 1.5 m; Potential failure would be within the land plots leased to the company; 2 service employees could be trapped within the impact area; TSF category depending on dam height and ground type - II, high hazard; TSF category under Dam Safety Reference Book of CDA (CDA, 2019) and Global Industry Standard on Tailings Management (2020) - significant. |
|---|
| Russian State Regulation No 986 of 2.11.2013 "On Hydraulic Structure Classification"; |
| Dam Safety Reference Book of CDA (CDA, 2019) – used for corporate puposes as a reference source; |
| Global Industry Standard on tailings Management, 2020. |
| The facility did not fail to be confirmed or certified as stable, or experience notable stability concerns. |
| No risks affecting stability have been identified during the facility operation. |
| Management efficiency is regularly estimated under the corporate TSF Management System and applicable legal requirements. |
| During the construction stage we use designer supervision. |
| During operation, we ensure internal control on the TSF condition under the corporate TSF Management System. |
| There are several types of control checks: |
| Scheduled: a) Level 1 – carried out by an employee responsible for the TSF at |
| the operation; b) Level 2 - carried out by other technical specialists at the |
| operation; c) Level 3 - carried out by representatives of Polymetal Management Company (as consulting). |
| Unscheduled: a) in case of system processes review – initiated by the Company's Top Management (Group CEO, COO, managing director of the project); |
| b) in case of multiple violations of legislative, regulatory and other requirements, applied to the TSF; |
| c) in case of identifying adverse trends as a result of statistics analysis; |
| d) in case of accidents (emergencies) affecting safety level at the TSF. |
| Yes. |

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?

Impact assessment of potential hazards human life and health, the environment and the infrastructure in case of TSF failure was done by Promtechnologia LLC, Belgorod in 2020. It was then approved by local governmental authorities (Ministry of Natural Resources and Ecology in the Magadan region).

Dry stacking

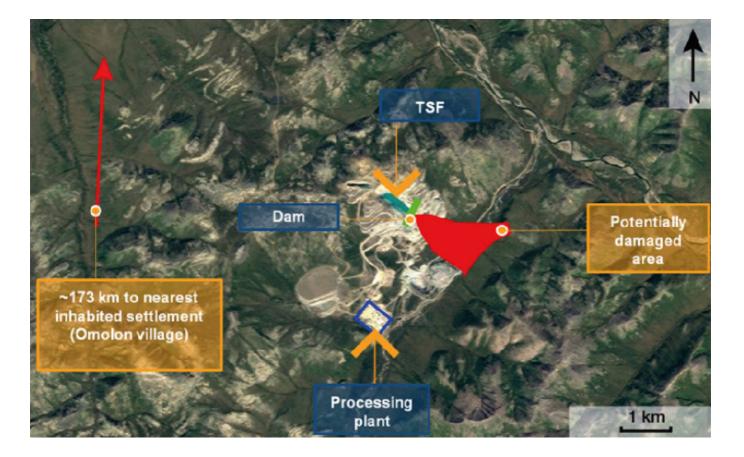
- 18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?
- a) There is a closure plan. A land reclamation section is included in the design documentation.
- b) As for now, the closure plan does not include long term monitoring. The program is a part of a Reclamation Project and will be developed in detail by the time of the TSF closure.
- 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.

Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have.

There is a scenario of dam failure caused by an externality (natural disaster) in the potential damage estimation (clause 17): the emergency probability there is assessed as low.

- The dam is constructed using local crushed stone, dam will be built in 3 phases, total height of 3 phases is 35 m.
- Impermeable screen made of geomembrane is laid on the dam crest and pipe drains are provided within the downstream slope.
- Upstream slope is 1:3, general downstream slope is 1:2.3.
- A drainage system along dams is available to prevent seepage and includes pipe drains, drain headers, pump stations and cycled water pipelines.
- Normative safety factor adjusted for this category of facility for solidity and consequences significance should be equal or more than 1.20.
- Safety factor calculated for the current TSF equals 1.22.
- The facility is officially in the Russian Register of Hydraulic Structures http://waterinfo.ru/gts/do_look.php?regnum=219440000489500
- We have a complete package of design documentation and permits on hand.
 - TSF is located in a region prone to earthquakes and has the potential to experience ground shaking levels of Intensity 7 (VII).
- The watershed area is 140 κm². The creeks flood plain elevations in the TSF section are below the pit edge and the TSF dam. No water diversion structures are provided. The sediments in the TSF area are accumulated in the settling pond and are included into the water balance.
- The area flooded in case of hydrodynamic accident would be 0.04 km²
 - Spill discharge volume is estimated at 990,480 m³.
- Overfilling of the TSF impoundment and the spill over the dam crest may occur in case of:
 - receiving a surface runoff with 1% Annual Exceedance Probability.
 - failure of the stream diversion channel and interception channel (including timely snow clearing) and
- uncontrolled filling of the TSF with simultaneous suspension of water withdrawal from it.
- The likelihood of a hydrodynamic accident has been estimated to be minimal because the design provides for at least 1.5 m freeboard between the TSF filling level and the dam crest elevation.

Omolon TSF location and affected area in case of dam failure



See information on Omolon dry stacking facility launched in 2021 to replace wet tailings storage on page 44.

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Dukat hub

| | Key facts: — raising from the centreline to downstream slope, — valley-fill type, — beach width is not regulated, — water pressure on the dam is permitted, — raised in 7 phases. — completed and made operational in 6 phases | |
|---|---|--|
| 2. Location | Russia N 65°05′00″ E 155°05′08″ | |
| 3. Ownership | Joint Stock Company "Magadan Silver" | |
| 4. Status | Active | |
| 5. Date of initial operation | 2001 | |
| 6. Is the Dam currently operated or closed as per currently approved design? | Operated as per currently approved design | |
| 7. Raising method | Modified raising - from centreline to downstream slope | |
| 8. Current Maximum Height | 55 m | |
| 9. Current Tailings Storage Impoundment Volume | 5,131,559 m³ | |
| 10. Planned Tailings Storage Impoundment | 1.01.2021 - 31.12.2026: 1,612,634 m³. | |
| Volume in 5 years' time | Total by 2026: 6,744,193 m³. | |
| | * Figures have been adjusted with the filling coefficient in 2022. | |
| 11. Most recent Independent Expert Review | 2019 - An independent audit carried out by Knight Piésold Limited; | |
| | 2019 - A review by JSC Russian Scientific and Research Institute named after B.E. Vedeneev; | |
| | 2019 - Experts' Review of the TSF safety declaration by Scientific, Technological, Design and Expertise Centre Protechexpert. | |
| 12. Do you have full and complete relevant | Yes: | |
| engineering records including design, construction, operation, maintenance, and/or closure? | Safety Declaration after reconstruction ref. No 20-20(04)0018-00-GOR, approved on 16.03.2020, including: safety criteria, 2019; potential damage estimation, 2019; experts' review of the facility readiness to emergency consequences mitigation, 2019; | |
| | Experts' Review on the TSF safety declaration after reconstruction ref. No 00-DB-0018-2020; | |
| | Safety passport of the TSF after reconstruction, 2020; | |
| | Emergency response plan updated annually; | |
| | Tailings dam operation procedures after reconstruction, 2020; | |
| | Tailings dam hydrological structure safety monitoring | |

guidelines.

Job description and occupational health and safety

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| | Dry |

- 13. What is your hazard categorization of this facility, based on the consequence of failure?
- TSF category (depending on consequences of potential hydrodynamic emergency) - IV, low hazard.
 - Number of permanent residents none;
 - Living environment is not disturbed;
 - Harm to ecosystem is not significant with maximum cost of damage rehabilitation estimated at USD 1.5 m:
 - Potential failure would be within the land plots leased to the company and can affect less than 7 employees.
- TSF category depending on dam height and ground type II, high hazard.
- TSF category under Dam Safety Reference Book of CDA (CDA, 2019) and the Global Industry Standard on Tailings Management, 2020 - significant.
- 14. What guideline do you follow for the classification system?

Russian State Regulation No 1607 of 05.10.2020 "On Hydraulic Structure Classification";

Dam Safety Reference Book of CDA (CDA, 2019) - used for corporate purposes as a reference source;

Global Industry Standard on Tailings Management, 2020.

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)?

The facility did not fail to be confirmed or certified as stable or experience notable stability concerns.

No risks affecting stability have been identified during the facility operation.

Management efficiency is regularly estimated under the corporate TSF Management System and applicable legal requirements.

16. Do vou have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?

During the construction stage we use designer supervision.

During operation, we ensure internal control on the TSF condition under the corporate TSF Management System.

There are several types of control checks:

Scheduled:

- a) Level 1 carried out by an employee responsible for the TSF at the operation:
- b) Level 2 carried out by other technical specialists at the operation;
- c) Level 3 carried out by representatives of Polymetal Management Company (as consulting).

Unscheduled:

- a) in case of system processes review initiated by the Company's Top Management (Group CEO, COO, managing director of the project);
- b) in case of multiple violations of legislative, regulatory and other requirements, applied to the TSF;
- c) in case of identifying adverse trends as a result of statistics analysis;
- d) in case of accidents (emergencies) affecting safety level at the TSF.
- 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.

Impact assessment of potential hazards for human life and health, the environment and the infrastructure in case of TSF failure was done by Promtechnologia LLC, Belgorod in 2018. It was then approved by local governmental authorities (Ministry of Natural Resources and Ecology in the Magadan region).

- 18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?
- a) Yes. A land reclamation section is included in the design documentation.
- b) As for now, the closure plan does not include long term monitoring. The program is a part of a Reclamation Project and will be developed in detail by the time of the TSF closure.

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?

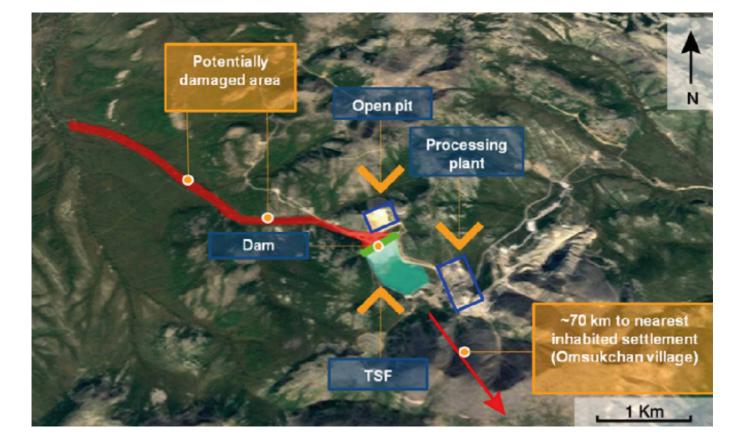
There is a scenario of dam failure caused by an externality (natural disaster) in the potential damage estimation (clause 17): the emergency probability there is assessed as low.

20. Any other relevant information and supporting documentation.

Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have.

- Raising method raising from the centreline to downstream slope, and the 6th phase of the Northern dam was partly raised on the soil of the TSF beach (silty sands).
- Raised in 7 phases with final elevation of 840 m. Total dam length is 447 m.
- The dam is constructed using local crushed stone with 1.5 mm thick shield of HDPE geomembrane.
- Normative safety factor adjusted for this category of facility for solidity and consequences significance should be equal or more than 1.25. Safety factor calculated for the current TSF equals to 1.957.
- The facility is officially in the Russian Register of Hydraulic Structures http://waterinfo.ru/gts/do_look.php?regnum=219440001071000
 - We have a complete package of design documentation and permits on hand.
- Drainage system is in place. A drainage system along dams is available to prevent seepage and includes pipe drains, drain headers, pump stations and cycled water pipelines, designated for the following purposes:
 - arranged diversion of seepage through the dam body and toe;
 - eliminating seepage inflow to the downstream slope and freezing zone;
 - improving the downstream slope stability.
- The watershed area is 3.191 κm².
 - The TSF is dyked (hydro-protected) by a stream diversion channel, designed to hold maximum seasonal and rainfall flood flows with 0.1% annual exceedance probability.
- Luna TSF is located in the areas with seismic levels of 7 and 8.
- TSF is located in a region prone to earthquakes and has the potential to experience ground shaking levels of Intensity 7 (VII) to 8 (VIII).
- The probability of an earthquake magnitude 7 is 10% within the next 50 years, i.e. once every 500 years, and the probability of an earthquake magnitude 8 is 1% within the next 50 years, i.e. once every 5000 years.
- Seismic microregioning of the assessment of the impact of the local conditions on the seismic activity of the TSF area:
 - TSF bed seismicity 7.32 and peak acceleration 0.167 g, or 164.0 cm/s²;
 - Enclosing dam seismicity 6.79 and peak acceleration 0.111 g, or 109.0 cm/s²;
- Adjacent massifs seismicity 6.74 and peak acceleration 0.108 g, or 106.0 cm/s².
- The area flooded in case of hydrodynamic accident at TSF No. 2 would be about 0.2 km².
- Spill discharge volume is estimated at 1,106,000 m³.
- Overfilling of the TSF impoundment and the spill over the dam crest may occur in case of:
 - receiving a surface runoff with 1% Annual Exceedance Probability,
 - failure of the stream diversion channel and interception channel (including timely snow clearing) and
 - uncontrolled filling of the TSF with simultaneous suspension of water withdrawal from it.
- The likelihood of a hydrodynamic accident has been estimated to be minimal because the design provides for at least 1.5 m freeboard between the TSF filling level and the dam crest elevation.

Lunnoye TSF location and affected area in case of dam failure



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Dukat hub

| 1. "Tailings Facility" Name/identifier | Omsukchan TSF 2 |
|---|--|
| | Key facts: — ring-dyke type, — elevated by gradual raising towards upstream slope, each consecutive dam is partly placed on tailings and partly on the previous phase crest, — constructed using imported ground, — beach width has no limits, — water pressure on the dam is permitted, — raised in 4 phases. |
| 2. Location | Russia N 62°31´43″ E 155°49´12″ |
| 3. Ownership | Joint Stock Company "Magadan Silver" (JSC "Magadan Silver") |
| 4. Status | Active |
| 5. Date of initial operation | Commissioned by former owner - 1984. |
| | New launch in 2002 after acquisition by Polymetal's subsidiary (Magadan Silver) in 2000. |
| 6. Is the Dam currently operated or closed as per currently approved design? | Operated as per currently approved design |
| 7. Raising method | Elevated by gradual raising towards upstream slope, each consecutive dam is partly placed on tailings and partly on the previous phase crest. |
| 8. Current Maximum Height | 43 m |
| 9. Current Tailings Storage Impoundment Volume | 7,974,643 m³ |
| 10. Planned Tailings Storage Impoundment | 1.01.2022 - 31.12.2024: 300,000 m³. |
| Volume in 5 years' time | Total by 2024: 8,274,643 m³. |
| | Starting from 2025, transition towards dry stacking is planned. |
| | * Figures have been adjusted with the filling coefficient in 2022 |
| 11. Most recent Independent Expert Review | 2020 - An inspection involving Polymetal representatives, the Russian Federal Environmental, Industrial and Nuclear Supervision Service (Rostechnadzor) and the Ministry of Emergency Response - as a check before issuing a permission paper and putting it in official register. |
| | 2020 – Experts' Review on the TSF safety declaration after reconstruction by LLC GTS Expert, St. Petersburg |
| 12. Do you have full and complete relevant | Yes: |
| engineering records including design, construction, operation, maintenance, and/or closure? | Tailings dam No2 and No3 reconstruction project, ref. No 35 02 03 001 00, 2019; |
| | Safety Declaration for tailings dam No2, including: tailings dam monitoring project; safety criteria; potential damage estimation; experts' review of the facility readiness to emergency consequences mitigation; emergency response plan updated annually; tailings dam operation procedures; job description and occupational health and safety guidelines |

• Experts' Review of the TSF safety declaration.

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?

Dry stacking

| 13. What is your hazard categorization of this facility, based on the consequence of failure? | TSF category (depending on consequences of a potential hydrodynamic emergency) – IV, low hazard. Number of permanent residents – none; Living environment is not disturbed; Harm to ecosystem is not significant with damage rehabilitation costs less than USD 1.5 m; Potential failure would be within the land plot leased by the company; | | |
|--|---|--|--|
| | TSF category depending on dam height and ground type - II, high hazard; | | |
| | TSF category under Dam Safety Reference Book of CDA (CDA, 2019) and Global Industry Standard on Tailings Management (2020) - significant. | | |
| 14. What guideline do you follow for the classification system? | Russian State Regulation No 1607 of 05.10.2020 "On Hydraulic Structure Classification"; | | |
| | Dam Safety Reference Book of CDA (CDA, 2019) – used for corporate purposes as a reference source; | | |
| | Global Industry Standard on Tailings Management, 2020 | | |
| 15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced | The facility did not fail to be confirmed or certified as stable, or experience notable stability concerns. | | |
| notable stability concerns, as identified by an independent engineer (even if | No risks affecting stability have been identified during the facility operation. | | |
| later certified as stable by the same or a different firm)? | Management efficiency is regularly estimated under the corporate TSF Management System and applicable legal requirements. | | |
| 16. Do you have internal/in house | During the construction stage we use designer supervision. | | |
| engineering specialist oversight of this facility? Or do you have external engineering support for this purpose? | During operation, we ensure internal control on the TSF condition under the corporate TSF Management System. | | |
| | There are several types of control checks: | | |
| | Scheduled: a) Level 1 - carried out by an employee responsible for the TSF at the operation; b) Level 2 - carried out by other technical specialists at the operation; c) Level 3 - carried out by representatives of Polymetal Management Company (as consulting). | | |
| | Unscheduled: a) in case of a system processes review - initiated by the Company's Top Management (Group CEO, COO, managing director of the project); b) in case of multiple violations of legislative, regulatory and other requirements, applied to the TSF; c) in case of identifying adverse trends as a result of statistics analysis; d) in case of accidents (emergencies) affecting safety level at the TSF. | | |
| 17. Has a formal analysis of the downstream impact on communities, | Yes. | | |
| 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? | Impact assessment of potential hazards for human life and health, the environment and the infrastructure in case of TSF failure was done by Promtechnologia LLC, Belgorod in 2019. It was then approved by local governmental authorities (Ministry of Natural Resources and Ecology in the Magadan region). | | |
| 18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring? | a) There is a closure plan. A land reclamation section is included in the design documentation. b) As for now, the closure plan does not include long term monitoring. The program is a part of a Reclamation Project and will be developed in detail by the time of the TSF closure. | | |

There is a scenario of dam failure caused by an externality (natural

probability there is assessed as low.

disaster) in the potential damage estimation (clause 17): the emergency

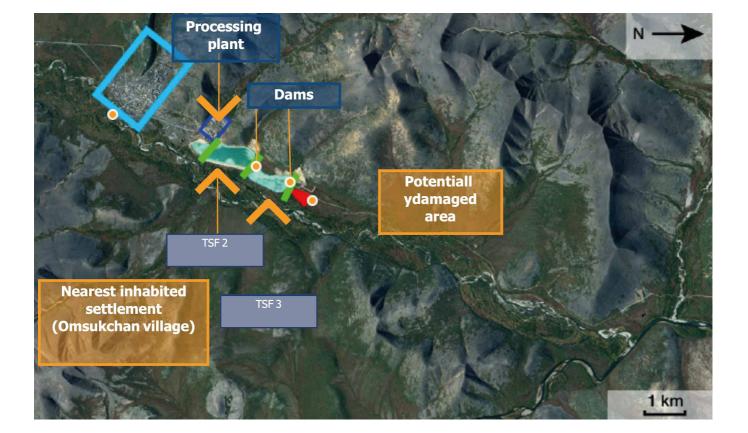
Dry stacking

20. Any other relevant information and supporting documentation.

Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have.

- The dam is constructed using local crushed stone with 1.5 mm thick shield of HDPE geomembrane. Upstream slope is 1:3, general downstream slope is 1:2.2.
- Drainage system is in place. A drainage system along dams is available to prevent seepage and includes pipe drains, drain headers, pump stations and cycled water pipelines, designated for the following purposes:
 - arranged diversion of seepage through the dam body and toe;
 - eliminating seepage inflow to the downstream slope and freezing
 - improving the downstream slope stability.
- The normative safety factor adjusted for this category of facility for solidity and consequences significance should be equal or more than 1.20. The safety factor calculated for the current TSF is more than 1.5.
- The facility is officially in the Russian Register of Hydraulic Structures http://waterinfo.ru/gts/do_look.php?regnum=219440000726600
- We have a complete package of design documentation and permits on hand.
- TSF is located in a region prone to earthquakes and has the potential to experience ground shaking levels of Intensity 7 (VII) to 9 (VIII).
- The probability of an earthquake magnitude 7 is 10% within the next 50 years, i.e. once every 500 years, and the probability of an earthquake magnitude 9 is 1% within the next 50 years, i.e. once every 5000 years.
- Seismic microregioning of the assessment of the impact of the local conditions on the seismic activity of the TSF area:
 - TSF bed seismicity 7.51 and peak acceleration 0.194 g, or 190 cm/s^2 ;
 - Enclosing dam seismicity 7.08 and peak acceleration 0.139 g,
 - Adjacent massifs seismicity 7.02 and peak acceleration 0.133 g, or 131 cm/s².
- The watershed area is 1,720 km².
- The TSF is dyked (hydro-protected) by an interception channel, designed to hold maximum seasonal and rainfall flood flows with 0.1% annual exceedance probability, and by a stream diversion header that diverts the creek.
- The area flooded in case of hydrodynamic accident at TSF No. 2 would be about 0.05 km².
- Spill discharge volume is estimated at 89,000 m³.
- Overfilling of the TSF impoundment and the spill over the dam crest may occur in case of:
 - receiving a surface runoff with 1% Annual Exceedance Probability,
 - failure of the stream diversion channel and interception channel (including timely snow clearing) and
 - uncontrolled filling of the TSF with simultaneous suspension of water withdrawal from it.
- The likelihood of a hydrodynamic accident has been estimated to be minimal because the design provides for at least 1.5 m freeboard between the TSF filling level and the dam crest elevation.

Omsukchan TSF 2 location and affected area in case of dam failure



Dukat hub

| 1. "Tailings Facility" Name/identifier | Omsukchan TSF 3 |
|--|--|
| | Key facts: — elevated by gradual raising towards upstream slope, each consecutive dam is partly placed on tailings and partly on the previous phase crest, — ring-dyketype, — beach width is not regulated, — water pressure on the dam is permitted, — raised in 4 phases. |
| 2. Location | Russia N 62°32′24″ E 155°49′27″ |
| 3. Ownership | Joint Stock Company "Magadan Silver" |
| 4. Status | Active |
| 5. Date of initial operation | 2007 |
| 6. Is the Dam currently operated or closed as per currently approved design? | Operated as per currently approved design |
| 7. Raising method | Elevated by gradual raising towards upstream slope, each consecutive dam is partly placed on tailings and partly on the previous phase crest. |
| 8. Current Maximum Height | 34.5 m |
| 9. Current Tailings Storage Impoundment Volume | 10,023,883 m³ |
| 10. Planned Tailings Storage Impoundment | 01.01.2022 - 31.12.2024: 2,111,356 m³. |
| Volume in 5 years' time | Total by 2024: 12,135,239 m³. |
| | Starting from 2025, transition towards dry stacking is planned. |
| | * Figures have been adjusted with the filling coefficient in 2022. |
| 11. Most recent Independent Expert Review | 2022 - A review by inspection team consisting of Polymetal's representatives and Russian Federal Environmental, Industrial and Nuclear Supervision Service (Rostechnadzor); |
| | 2022 – Experts' Review on the TSF safety declaration after reconstruction by LLC GTS Expert, St. Petersburg. |
| 12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure? | Yes: Tailings dam No2 and No3 reconstruction project, ref. No 35 02 03 001 00, 2019; Safety Declaration for tailings dam No3, including: – tailings dam monitoring project; – safety criteria; – potential damage estimation; – experts' review of the facility readiness to emergency consequences mitigation; – emergency response plan updated annually; – tailings dam operation procedures; – job description and occupational health and safety guidelines; Experts' Review of the TSF safety declaration. |

of more regular extreme weather events

as a result of climate change, e.g. over

the next two years?

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| 13. What is your hazard categorization of this facility, based on the consequence of failure? | TSF category (depending on consequences of a potential hydrodynamic emergency) - IV, low hazard. Number of permanent residents - none; Living environment is not disturbed; Harm to ecosystem is not significant with damage rehabilitation costs less than USD 1.5 m; Potential failure would be within the land plot leased by the company; |
|---|---|
| | TSF category depending on dam height and ground type - II, high hazard; |
| | TSF category under Dam Safety Reference Book of CDA (CDA, 2019) and Global Industry Standard on Tailings Management (2020) - significant. |
| 14. What guideline do you follow for the classification system? | Russian State Regulation No 1607 of 05.10.2020 "On Hydraulic Structure Classification"; |
| | Dam Safety Reference Book of CDA (CDA, 2019) – used for corporate purposes as a reference source; |
| | Global Industry Standard on Tailings Management, 2020. |
| 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)? | The facility did not fail to be confirmed or certified as stable, or experience notable stability concerns; |
| | No risks affecting stability have been identified during the facility operation; |
| | Management efficiency is regularly estimated under the corporate TSF Management System and applicable legal requirements. |
| 16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose? | During the construction stage we use designer supervision. |
| | During operation, we ensure internal control on the TSF condition under the corporate TSF Management System. |
| | There are several types of control checks: |
| | Scheduled: a) Level 1 - carried out by an employee responsible for the TSF at the operation; b) Level 2 - carried out by other technical specialists at the operation; c) Level 3 - carried out by representatives of Polymetal Management Company (as consulting). |
| | Unscheduled: a) in case of system processes review – initiated by the Company's Top Management (Group CEO, COO, managing director of the project), b) in case of multiple violations of legislative, regulatory and other requirements, applied to the TSF, c) in case of identifying adverse trends as a result of statistics analysis, d) in case of accidents (emergencies) affecting safety level at the TSF. |
| 17. Has a formal analysis of the | Yes. |
| 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? | Impact assessment of potential hazards for human life and health, the environment and the infrastructure in case of TSF failure was done by Promtechnologia LLC, Belgorod in 2018. It was then approved by local governmental authorities (Ministry of Natural Resources and Ecology in the Magadan region). |
| 18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring? | a) Yes. A land reclamation section is included in the design documentation. b) As for now, the closure plan does not include long term monitoring. The program is a part of a Reclamation Project and will be developed in detail by the time of the TSF closure. |
| 19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events | There is a scenario of dam failure caused by an externality (natural disaster) in the potential damage estimation (clause 17): the emergency probability there is assessed as low. |

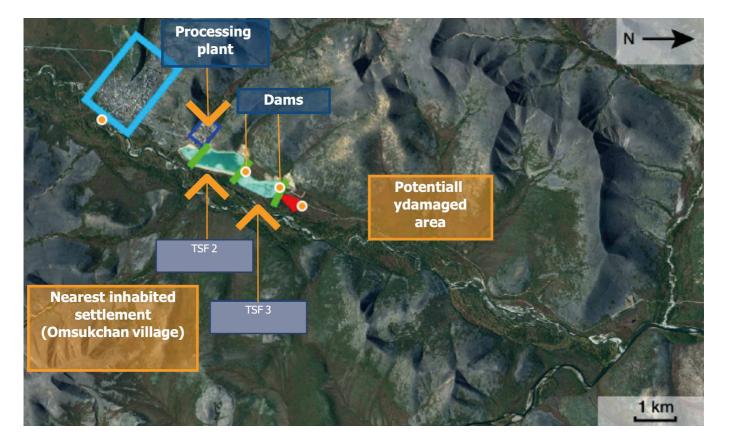
probability there is assessed as low.

20. Any other relevant information and supporting documentation.

Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have.

- The dam is constructed using local crushed stone with 1.5 mm thick shield of HDPE geomembrane. Upstream slope is 1:3, general downstream slope is 1:2.2.
- Drainage system is in place. A drainage system along dams is available to prevent seepage and includes pipe drains, drain headers, pump stations and cycled water pipelines, designated for the following purposes:
 - arranged diversion of seepage through the dam body and toe;
 - eliminating seepage inflow to the downstream slope and freezing zone;
 - improving the downstream slope stability.
- The normative safety factor adjusted for this category of facility for solidity and consequences significance should be equal or more than 1.20. The safety factor calculated for the current TSF is more than 1.5.
- The facility is officially in the Russian Register of Hydraulic Structures http://waterinfo.ru/gts/do_look.php?regnum=219440000726600
- We have a complete package of design documentation and permits on hand.
- The watershed area is 3.191 κm2.
- The TSF is dyked (hydro-protected) by a stream diversion channel, designed to hold maximum seasonal and rainfall flood flows with 0.1% annual exceedance probability.
- Luna TSF is located in the areas with seismic levels of 7 and 8.
- TSF is located in a region prone to earthquakes and has the potential to experience ground shaking levels of Intensity 7 (VII) to 9 (VIII).
 - The probability of an earthquake magnitude 7 is 10% within the next50 years, i.e. once every 500 years, and the probability of an earthquake magnitude 9 is 1% within the next 50 years, i.e. once every 5000 years.
- Seismic microregioning of the assessment of the impact of the local conditions on the seismic activity of the TSF area:
 - TSF bed seismicity 7.32 and peak acceleration 0.167 g, or 164.0 cm/s²;
 - Enclosing dam seismicity 6.79 and peak acceleration 0.111 g or 109.0 cm/s²;
 - Adjacent massifs seismicity 6.74 and peak acceleration 0.108 g, or 106.0 cm/s².
- The area flooded in case of hydrodynamic accident at TSF No. 3 would be about 0.08 km².
- Spill discharge volume is estimated at 97,000 m³.
- Overfilling of the TSF impoundment and the spill over the dam crest may occur in case of:
 - receiving a surface runoff with 1% Annual Exceedance Probability,
 - failure of the stream diversion channel and interception channel (including timely snow clearing) and
 - uncontrolled filling of the TSF with simultaneous suspension of water withdrawal from it.
- The likelihood of a hydrodynamic accident has been estimated to be minimal because the design provides for at least 1.5 m freeboard between the TSF filling level and the dam crest elevation.

Omsukchan TSF 3 location and affected area in case of dam failure



Albazino

| 1. "Tailings Facility" Name/identifier | Albazino TSF 1 |
|--|---|
| | Key facts: — upstream (elevated by gradual raising towards upstream slope, each consecutive dam is partly placed on tailings and partly on the previous phase crest), — valley-fill type, — beach width is not regulated, — water pressure on the dam is permitted, — raised in 3 phases. |
| 2. Location | Russia N 52°52´45″ E 137°54´05″ |
| 3. Ownership | Albazino Resources Ltd. |
| 4. Status | Inactive |
| 5. Date of initial operation | 2011 |
| 6. Is the Dam currently operated or closed as per currently approved design? | Operated as per currently approved design |
| 7. Raising method | Elevated by gradual raising towards upstream slope, each consecutive dam is partly placed on tailings and partly on the previous phase crest. |
| 8. Current Maximum Height | 26 m |
| 9. Current Tailings Storage Impoundment Volume | 8,250,000 m ³ |
| 10. Planned Tailings Storage Impoundment Volume in 5 years' time | TSF has utilized full design capacity. No further storage is intended. |
| | * Figures have been adjusted with the filling coefficient in 2022. |
| 11. Most recent Independent Expert Review | 2020 - An inspection involving Polymetal representatives, the Russian Federal Environmental, Industrial and Nuclear Supervision Service (Rostechnadzor) and the Ministry of Emergency Response to check closure process; 2020 - Experts' Review on the TSF No1 safety declaration (closure phase). |
| 12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure? | Yes: • Safety Declaration for tailings dam No1, closure phase, including: — tailings dam monitoring project during closure; — safety criteria; — potential damage estimation; — experts' review of the facility readiness to emergency consequences mitigation; — emergency response plan updated annually; — job description and occupational health and safety guidelines. |

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?

Dry stacking

| 13. What is your hazard categorization of this facility, based on the consequence of failure? | TSF category (depending on consequences of a potential hydrodynamic emergency) - IV, low hazard. Number of permanent residents - none; Living environment is not disturbed; Harm to ecosystem is not significant with damage rehabilitation costs less than USD 1.5 m; Potential failure would be within the land plot leased by the company; TSF category depending on dam height and ground type - II, high |
|--|--|
| | hazard; TSF category under Dam Safety Reference Book of CDA (CDA, 2019) and Global Industry Standard on Tailings Management (2020) – significant. |
| 14. What guideline do you follow for the classification system? | Russian State Regulation No 1607 of 05.10.2020 "On Hydraulic Structure Classification"; |
| | Dam Safety Reference Book of CDA (CDA, 2019) – used for corporate purposes as a reference source; |
| | Global Industry Standard on Tailings Management, 2020. |
| 15. Has this facility, at any point in its history, failed to be confirmed or confirmed or | The facility did not fail to be confirmed or certified as stable, or experience notable stability concerns; |
| 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 risks affecting stability have been identified during the facility operation; |
| | Management efficiency is regularly estimated under the corporate TSF Management System and applicable legal requirements. |
| 16. Do you have internal/in house | During the construction stage we use designer supervision. |
| engineering specialist oversight of this facility? Or do you have external engineering support for this purpose? | During operation, we ensure internal control on the TSF condition under the corporate TSF Management System. |
| | There are several types of control checks: |
| | Scheduled: a) Level 1 - carried out by an employee responsible for the TSF at the operation; b) Level 2 - carried out by other technical specialists at the operation; c) Level 3 - carried out by representatives of Polymetal Management Company (as consulting). |
| | Unscheduled: a) in case of system processes review – initiated by the Company's Top Management (Group CEO, COO, managing director of the project), b) in case of multiple violations of legislative, regulatory and other requirements, applied to the TSF, c) in case of identifying adverse trends as a result of statistics analysis, d) in case of accidents (emergencies) affecting safety level at the TSF. |
| 17. Has a formal analysis of the downstream impact on communities, | Yes. |
| 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? | Impact assessment of potential hazards for human life and health, the environment and the infrastructure in case of TSF failure was done by LLC Scientific and Research Centre Spetspromgidrotek, Moscow in 2020. It was then approved by local governmental authorities. |
| 18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring? | a) There is a land reclamation plan developed in 2021 to be carried out within 15 years; additional assessments are being conducted. b) We plan to operate it until 2044 (the end of Albazino's mine life), then further monitoring plan will be developed. |

There is a scenario of dam failure caused by an externality (natural

probability there is assessed as low.

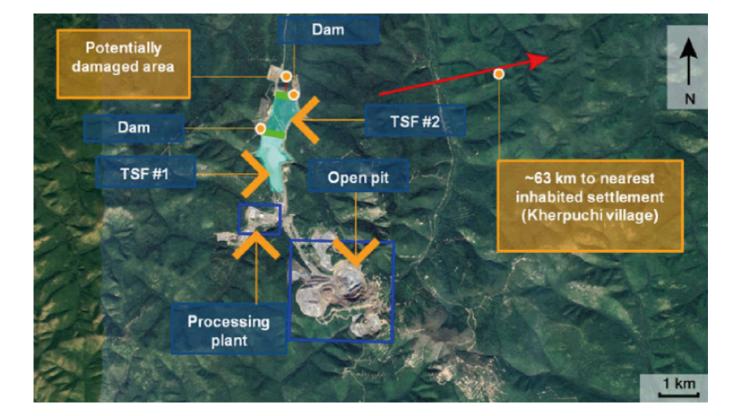
disaster) in the potential damage estimation (clause 17): the emergency

20. Any other relevant information and supporting documentation.

Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have.

- The dam is constructed using local crushed stone, dam will be elevated in 3 phases.
- The dam is constructed using local crushed stone with 1.5 mm thick shield of HDPE geomembrane.
- Upstream slope is 1:3, general downstream slope is 1:2.5.
- A drainage system along dams is available to prevent seepage and includes pipe drains, drain headers, pump stations and cycled water pipelines.
- The normative safety factor adjusted for this category of facility for solidity and consequences significance should be equal or more than 1.20.
- The safety factor calculated for the current TSF equals to 1.32.
- The facility is officially in the Russian Register of Hydraulic Structures http://waterinfo.ru/gts/do_look.php?regnum=220080000283900
- We have a complete package of design documentation and permits on hand.
 - TSF is located in a region prone to earthquakes and has the potential to experience ground shaking levels of Intensity 7 (VII).
- The watershed area is 1.578 km².
- The TSF is dyked (hydro-protected) by stream diversion channels, designed to hold maximum seasonal and rainfall flood flows with 0.1% annual exceedance probability.
- During the closure process, a drainage ditch was built at the TSF territory, which transports storm and melted water away from the TSF and into a stream.
- Flooded area does not occur. No casualties or affected parties among local population and operational personnel are expected.

Albazino TSF 1 location and affected area in case of dam failure



Dry stacking

Albazino

| 1. "Tailings Facility" Name/identifier | Albazino TSF 2 | |
|---|--|--|
| | Key facts: — upstream (elevated by gradual raising towards upstream slope, each consecutive dam is partly placed on tailings and partly on the previous phase crest), — valley-fill type, — beach width is not regulated, — water pressure on the dam is permitted, — raised in 3 phases. | |
| 2. Location | Russia N52°53´24″ E137°54´22″ | |
| 3. Ownership | Albazino Resources Ltd. | |
| 4. Status | Active | |
| 5. Date of initial operation | 2018 | |
| 6. Is the Dam currently operated or closed as per currently approved design? | Operated as per currently approved design | |
| 7. Raising method | Elevated by gradual raising towards upstream slope, each consecutive dam is partly placed on tailings and partly on the previous phase crest. | |
| 8. Current Maximum Height | 24 m | |
| 9. Current Tailings Storage Impoundment Volume | 3,735,214 m ³ | |
| 10. Planned Tailings Storage Impoundment | 1.01.2022 - 31.12.2026: 6,076,894 m³ | |
| Volume in 5 years' time | Total by 2026: 9 812 108 m³ | |
| | * Figures have been adjusted with the filling coefficient in 2022. | |
| 11. Most recent Independent Expert Review | 2018 – An inspection involving Polymetal representatives, the Russian Federal Environmental, Industrial and Nuclear Supervision Service (Rostechnadzor) and Ministry of Emergency Response – as a check before issuing a permission paper and putting it in official register. | |
| 12. Do you have full and complete relevant | Yes: | |
| engineering records including design, construction, operation, maintenance, and/or closure? | Tailings dam project, ref. No 17 01 03 072 03.2015; | |
| array or crosure. | Safety declaration for TSF No2. ref. No 18-18(00)0080-00-GOR, including: — tailings dam monitoring project; — safety criteria; — potential damage estimation; — experts' review of the facility readiness to emergency consequences mitigation; — emergency response plan updated annually; — tailings dam operation procedures; — job description and occupational health and safety guidelines; Experts' Review of hydraulic structure safety declaration. | |

| 13. What is your hazard categorization of this facility, based on the consequence of failure? | TSF category (depending on consequences of a potential hydrodynamic emergency) - IV, low hazard. Number of permanent residents - none; Living environment is not disturbed; Harm to ecosystem is not significant with damage rehabilitation costs less than USD 1.6 m; Potential failure would be within the land plot leased by the company; TSF category depending on dam height and ground type - II, high hazard; TSF category under Dam Safety Reference Book of CDA (CDA, 2019) and Global Industry Standard on Tailings Management (2020) - significant. |
|---|--|
| 14. What guideline do you follow for the classification system? | Russian State Regulation No 1607 of 05.10.2020 "On Hydraulic Structure Classification"; Dam Safety Reference Book of CDA (CDA, 2019) – used for corporate purposes as a reference source; |
| 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)? | The facility did not fail to be confirmed or certified as stable, or experience notable stability concerns; No risks affecting stability have been identified during the facility operation; Management efficiency is regularly estimated under the corporate TSF Management System and applicable legal requirements. |
| 16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose? | During the construction stage we use designer supervision. During operation, we ensure internal control on the TSF condition under the corporate TSF Management System. There are several types of control checks: Scheduled: a) Level 1 - carried out by an employee responsible for the TSF at the operation; b) Level 2 - carried out by other technical specialists at the operation; c) Level 3 - carried out by representatives of Polymetal Management Company (as consulting). Unscheduled: a) in case of system processes review - initiated by the Company's Top Management (Group CEO, COO, managing director of the project), b) in case of multiple violations of legislative, regulatory and other requirements, applied to the TSF, c) in case of identifying adverse trends as a result of statistics analysis, d) in case of accidents (emergencies) affecting safety level at the TSF. |
| 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. "Impact assessment of potential hazards for human life and health, the environment and the infrastructure in case of TSF failure" report was done by LLC Scientific and Research Centre Spetspromgidrotek, Moscow in 2018. It was then approved by local governmental authorities. |

18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?

a) Yes. A land reclamation section is a part of design documentation. b) As for now, the closure plan does not include long term monitoring. The program is a part of a Reclamation Project and will be developed in detail by the time of the TSF closure.

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?

There is a scenario of dam failure caused by an externality (natural disaster) in the potential damage estimation (clause 17): the emergency probability there is assessed as low.

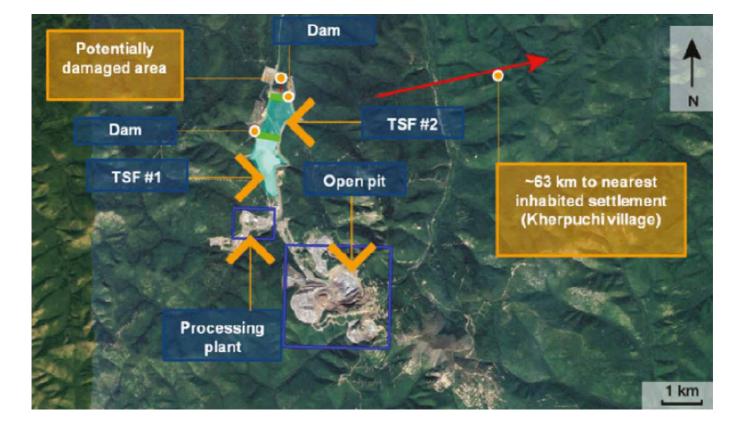
Dry stacking

20. Any other relevant information and • supporting documentation.

Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have.

- The dam is constructed using local crushed stone, dam will be built in 3 phases: Phase 1 with a height of 24 m is raised on natural ground base.
 Phases 2 and 3 with a height of 5 m each are partly placed on tailings and partly on the previous phase crest.
- The dam is constructed using local crushed stone with 1.5 mm thick shield of HDPE geomembrane.
- Upstream slope is 1:3, general downstream slope is 1:2.2.
- A drainage system along dams is available to prevent seepage and includes pipe drains, drain headers, pump stations and cycled water pipelines.
- Normative safety factor adjusted for this category of facility for solidity and consequences significance should be equal or more than 1.20.
- Safety factor calculated for the current TSF equals 1.35.
- We have a complete package of design documentation and permits on hand.
- TSF is located in a region prone to earthquakes and has the potential to experience ground shaking levels of Intensity 7 (VII).
- The watershed area is 0.93 km².
- The area flooded in case of hydrodynamic accident would be 0.25 km².
- Spill discharge volume is estimated at 222,434 m³.
- The TSF is dyked (hydro-protected) by stream diversion channels, designed to hold maximum seasonal and rainfall flood flows with 0.1% annual exceedance probability.
 - Overfilling of the TSF impoundment and the spill over the dam crest may occur in case of:
 - receiving a surface runoff with 1% Annual Exceedance Probability,
 - failure of the stream diversion channel and interception channel (including timely snow clearing) and
 - uncontrolled filling of the TSF with simultaneous suspension of water withdrawal from it.
- The likelihood of a hydrodynamic accident has been estimated to be minimal because the design provides for at least 1.5 m freeboard between the TSF filling level and the dam crest elevation.

Albazino TSF 2 location and affected area in case of dam failure



Dry stacking at Voro

| 1. "Tailings Facility" Name/identifier | Voro DSF |
|--|--|
| 2. Location | Russia N 59°39′7″ E 60°18′57″ |
| 3. Ownership | Gold of Northern Urals Joint Stock Company |
| 4. Status | Active |
| 5. Date of initial operation | 2000 |
| 6. Is the Dam currently operated or closed as per currently approved design? | Operated as per currently approved design |
| 7. Raising method | Dry stacking of tailings |
| 8. Most recent Independent Expert Review | February 2019 - An audit under the Cyanide Code by Wardell Armstrong International. |
| | 9.02.2018 – A review by inspection team consisting of Polymetal's representatives, the Russian Federal Environmental, Industrial and Nuclear Supervision Service (Rostechnadzor) and the Ministry of Emergency Response. |
| 9. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure? | Yes: Primary Ore Processing Area Upgrading to Increase Throughput to 900,000 tpa, 2008. JSC Polymetal Engineering. Technical project of the Vorontsovskoye Gold Deposit Development and Mining, 2013. JSC Polymetal Engineering Maintenance manual is a part of Plant Maintenance Procedures. |
| 10. What is your hazard categorization of this facility, based on the consequence of failure? | Non-hazardous |
| 11. What guideline do you follow for the classification system? | Federal Law "On industrial waste" as of 24.06.1998 No. 89-FZ (with amendments). Federal Law "On protection of the environment" as of 10.01.2002 No. 7-FZ (with amendments). |
| 12. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose? | During the construction stage we use designer supervision. During operation, we ensure internal control on the storage condition under the corporate procedures. |
| 13. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring? | a) Yes. A land reclamation section is included in the design documentation. b) As for now, the closure plan does not include long term monitoring. The program is a part of a Reclamation Project and will be developed in detail by the time of the DSF closure. |

Albazino

Dry stacking

14. Any other relevant information and supporting documentation.

Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may

- Tailings produced from the gold recovery process are sent to the filtration system, where the filtrate is collected and recirculated in the process (closed loop system). The filter cake (dry tailings) with less than 20% moisture are deposited in the dry stack facility (DSF).
- The DSF is geosynthetically lined with a 1.5 mm HDPE geomembrane.
- The basement of the DSF is levelled to create a gradient towards the slopes to prevent stagnation of surface storm and melted waters. Geogrid is laid on the slopes to prevent slope slipping and stabilize the protection clay layer.
- Surface water runoff from the DSF is captured along the perimeter with drainage ditches lined with 1.0 mm geomembrane and flows to the surface water runoff pond, and flows to the water treatment plant before being discharged.
- The DSF represents a dump formed in layers with total capacity of 8,720,000 m³.
- The safety factor calculated for this type of storages equals 1.20 and the adjusted stability factor for the current DSF equals 1.23.

Voro DSF location



Dry stacking at Amursk POX

| 1. "Tailings Facility" Name/identifier | Amursk DSF |
|--|---|
| 2. Location | Russia N 50°15′18″ E 136°49′31″ |
| 3. Ownership | Amur hydrometallurgical plant Limited Liability Company |
| 4. Status | Active |
| 5. Date of initial operation | 2012 |
| 6. Is the Dam currently operated or closed as per currently approved design? | Operated as per currently approved design |
| 7. Raising method | Dry stacking of tailings |
| 8. Most recent Independent Expert Review | November 2018 – audit under the Cyanide Code by Wardell Armstrong International. |
| | 8.06.2018 – A review by inspection team consisting of Polymetal's representatives, the Russian Federal Environmental, Industrial and Nuclear Supervision Service (Rostechnadzor) and the Ministry of Emergency Response. |
| 9. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure? | Yes: Technical project of the Amursk POX, 2009 by JSC Polymetal Engineering; |
| | Maintenance manual is a part of POX Plant Maintenance Procedures. |
| 10. What is your hazard categorization of this facility, based on the consequence of failure? | Non-hazardous |
| 11. What guideline do you follow for the classification system? | Federal Law "On industrial waste" as of 24.06.1998 No. 89-FZ (with amendments). |
| | Federal Law "On protection of the environment" as of 10.01.2002 No. 7-FZ (with amendments). |
| 12. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose? | During the construction stage we use designer supervision. During operation, we ensure internal control on the storage condition under the corporate procedures. |
| 13. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring? | a) Yes. A land reclamation section is included in the design documentation. b) As for now, the closure plan does not include long term monitoring. The program is a part of a Reclamation Project and will be developed in detail by the time of the DSF |

closure.

14. Any other relevant information and supporting documentation.

Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have

- Tailings produced from the gold recovery process are sent to the filtration system, where the filtrate is collected and recirculated in the process (closed loop system). The filter cake (dry tailings) with less than 30-33% moisture is deposited in the dry stack facility (DSF).
- The DSF is geosynthetically lined with a 1.5 mm HDPE geomembrane.
- The basement of the DSF is levelled to create a gradient towards the slopes to prevent stagnation of surface storm and melted waters. Geogrid is laid on the slopes to prevent slope slipping and stabilize protection clay layer.
- To prevent filtration of contaminated water from the DSF, a single waterproofing screen made of polyethylene film at the base of the DSF is installed
- Surface water runoff from the DSF is captured along the perimeter with drainage ditches lined with 1.0 mm geomembrane and flows to the surface water runoff pond, and flows to the water treatment plant before being discharged.
- The DSF represents a dump formed in layers with total capacity of 6,656,000 t for first 18 years of operation: 1,745,400 for current (March 2021) and 4,913,600 for further storage.
- Safety factor calculated for this type of storages equals 1.20.
 Adjusted stability factor for the current DSF equals 1.42.

Amursk DSF location



Dry stacking at Omolon

| 1. "Tailings Facility" Name/identifier | Omolon DSF |
|--|--|
| 2. Location | Russia N 63°40′42.4″ E 159°57′00.7″ |
| 3. Ownership | Omolon Gold Mining Company Limited Liability Company |
| 4. Status | Active |
| 5. Date of initial operation | 2021 |
| 6. Is the Dam currently operated or closed as per currently approved design? | Operated as per currently approved design |
| 7. Raising method | Dry stacking of tailings |
| 8. Most recent Independent Expert Review | No independent reviews have taken place yet as the facility is recently launched |
| 9. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure? | Yes: |
| | Technical project of the dry stacking facility at the Kubaka mill by Uralmekhanobr JSC. |
| 10. What is your hazard categorization of this facility, based on the consequence of failure? | Non-hazardous |
| 11. What guideline do you follow for the classification system? | Federal Law "On industrial waste" as of 24.06.1998 No. 89-FZ (with amendments). |
| | Federal Law "On protection of the environment" as of 10.01.2002 No. 7-FZ (with amendments). |
| 12. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose? | During the construction stage we use designer supervision. During operation, we ensure internal control on the storage condition under the corporate procedures. |
| 13. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring? | a) Yes. A land reclamation section is included in the design documentation. b) As for now, the closure plan does not include long term monitoring. The program is a part of a Reclamation Project and will be developed in detail by the time of the DSF closure. |

14. Any other relevant information and supporting documentation.

Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have

- Project design by OAO Uralmekhanobr.
- Filter cake (coming from filtration of CIP tailings) with a moisture content of 20% is deposited in a dry stack facility (DSF).
 The storage area is lined with an HDPE geomembrane laid over the prepared ground to eliminate any seepage losses. The water collected in the surface run-off pond is recirculated and reused in processing.
- Dry tailings are placed and compacted in three lifts; a new lift is added as the previous one reaches the design height limit.
- Contact surface water and seepage from the dry stack are captured by the drainage ditches lined with the same watertight HDPE geomembrane as the storage area, to eliminate any discharge of contaminated water.
- The values of factors of safety for slope stability of the DSF fully comply with the applicable regulations. The minimum calculated factors of safety for DSF slope stability at several cross-sections are over 1.5.

Omolon DSF location



Dry stacking at Nezhda

| 1. "Tailings Facility" Name/identifier | Nezhda DSF |
|--|--|
| 2. Location | Russia N 62°30'40.8" E 139°02'22.0" |
| 3. Ownership | South-Verkhoyansk Mining Company Joint Stock Company |
| 4. Status | Active |
| 5. Date of initial operation | 2021 |
| 6. Is the Dam currently operated or closed as per currently approved design? | Operated as per currently approved design |
| 7. Raising method | Dry stacking of tailings |
| 8. Most recent Independent Expert Review | No independent reviews have taken place yet as the facility is recently launched |
| 9. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure? | Yes: Technical project of the Nezhda mining and processing plant (1st phase) by Polymetal Engineering JSC, 2019. |
| 10. What is your hazard categorization of this facility, based on the consequence of failure? | Non-hazardous |
| 11. What guideline do you follow for the classification system? | Federal Law "On industrial waste" as of 24.06.1998 No. 89-FZ (with amendments). |
| | Federal Law "On protection of the environment" as of 10.01.2002 No. 7-FZ (with amendments). |
| 12. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose? | During the construction stage we use designer supervision. During operation, we ensure internal control on the storage condition under the corpo rate procedures. |
| 13. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring? | a) Yes. A land reclamation section is included in the design documentation. b) As for now, the closure plan does not include long term monitoring. The program is a part of a Reclamation Project and will be developed in detail by the time of the DSF closure. |

14. Any other relevant information and supporting documentation.

Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may

Filter cake (resulting from filtration of flotation tailings) with a moisture content of 20% is deposited in a dry stack facility (DSF). The storage area is lined with an HDPE geomembrane laid over the prepared ground to eliminate any seepage losses. The water run-off collected in the pond is reused in processing.

MANAGEMENT OF TAILINGS STORAGE FACILITIES

- Groundwater monitoring wells are installed to monitor potential groundwater contamination associated with the DSF.
- The values of factors of safety for slope stability of the DSF fully comply with the applicable regulations. The minimum calculated factors of safety for DSF slope stability at several cross-sections range from 1.208 to 1.278.

Nezhda DSF location

