## Tailings Storage Facilities (TSF) Disclosure

Polymetal International plc • JUNE 2023

| Polymetal<br>asset/hub   | Куzyl   | Varvara  | Mayskoye  | Omolon   | Dukat   |  | Albazino   |  |  |
|--|---|--|---|--|---|--|--|--|--|
| 1. Tailings facility<br>name/identifier  | Kyzyl TSF   | Varvara TSF  | Mayskoye TSF  | Omolon TSF   | Lunnoye TSF   | Omsukchan TSF 2  | Omsukchan TSF 3  | Albazino TSF 1   | Albazino TSF 2   |
| 2. Location  | Kazakhstan<br>N 49°42' 10"<br>E 81° 37' 41"   | Kazakhstan<br>N 52º57'26"<br>E 62º07'23"   | Russia<br>N 68°59'24"<br>E 173°44'17"                   | Russia<br>N 63°41'16"<br>E 159°59' 13"   | Russia<br>N 65°05'00"<br>E155°05'08"                    | Russia<br>N 62°31'43"<br>E 155°49'12"                                | Russia<br>N 62°32'24"<br>E 155°49'27"  | Russia<br>N 52°52'45"<br>E 137°54'05"  | Russia<br>N 52°53'24"<br>E 137°54'22"                    |
| 3. Ownership   | Bakyrchik Mining<br>Venture LLC   | Varvarinskoye JSC  | Mayskoye Gold Mining<br>Company LLC                     | Omolon Gold Mining<br>Company LLC  | Magadan Silver JSC                                      | Magadan Silver JSC   | Magadan Silver JSC   | Albazino Resources<br>Ltd.   | Albazino Resources<br>Ltd.                               |
| 4. Status  | Active  | Active   | Active  | Active   | Active  | Active   | Active   | Inactive   | Active   |
| 5. Date of initial operation   | 2018  | 2007   | 2012  | 2010   | 2001  | 2002<br>(see Q20)  | 2007   | 2011   | 2018   |
| 6. Is the dam currently<br>operated or closed as<br>per currently approved<br>design?                      | Operated  | Operated   | Operated  | Operated   | Operated  | Operated   | Operated   | Operated (see Q20)   | Operated   |
| 7. Raising method  | Downstream  | Downstream<br>(see Q20)  | Downstream  | Upstream   | From centreline to<br>downstream slope                  | Upstream   | Upstream   | Upstream   | Upstream   |
| 8. Current maximum<br>height   | 34.5 m  | 22 m   | 33.5 m  | 28 m   | 55 m  | 43 m   | 34.5 m   | 26 m   | 24 m   |
| 9. Current tailings<br>storage impoundment<br>volume (as of<br>1 January, 2023)                            | 6,512,508 m <sup>3</sup>  | 35,344,000 m <sup>3</sup>  | 5,919,844 m <sup>3</sup>                                | 7,366,779 m <sup>3</sup>   | 5,469,019 m <sup>3</sup>                                | 8,274,000 m <sup>3</sup>   | 10,697,778 m <sup>3</sup>  | 8,250,000 m <sup>3</sup>   | 5,016,192 m <sup>3</sup>                                 |
| 10. Planned tailings<br>storage impoundment<br>volume in 5 years' time                                     | Total by 1 January<br>2026:<br>11,406,295 m <sup>3</sup><br>Reconstruction is<br>planned after<br>1 January 2026 to<br>expand the dam's<br>capacity | Total by 1 July 2025:<br>42,278,000 m <sup>3</sup><br>Construction of a<br>new dam<br>to be carried out<br>after 1 July 2025 | Total by 1 January<br>2028:<br>8,953,329 m <sup>3</sup> | In 2022, a transition<br>towards dry stacking<br>was completed<br>with no further wet<br>tailings stored | Total by 1 January<br>2028:<br>7,109,026 m <sup>3</sup> | Starting from 2025,<br>transition towards dry<br>stacking is planned | Total by 1 January<br>2025:<br>12,776,268 m <sup>3</sup><br>Starting from 2025,<br>transition towards dry<br>stacking is planned | TSF has utilized full<br>design capacity. No<br>further storage is<br>intended | Total by 1 January<br>2028:<br>11,558,177 m <sup>3</sup> |
| 11. Most recent<br>Independent Expert<br>Review  | Triving TOO, 2020   | Governmental<br>supervision<br>authorities, 2022<br>SRK Consulting,<br>2021  | Governmental<br>supervision authorities,<br>2022        | Governmental<br>supervision authorities,<br>2022   | Governmental<br>supervision authorities,<br>2022        | Governmental<br>supervision<br>authorities, 2022                     | GTS Expert LLC, 2022   | Dam decommissioned   | Governmental<br>supervision authorities,<br>2022         |
| 12. Do you have full<br>and complete relevant<br>engineering records<br>including design,<br>construction, | Yes   | Yes  | Yes   | Yes  | Yes   | Yes  | Yes  | Yes  | Yes  |

| operation,<br>maintenance, and/or<br>closure?   |  |   |  |   |   |   |   |   |   |
|---|--|---|--|---|---|---|---|---|---|
| 13. What is your<br>hazard categorization<br>of this facility, based<br>on the consequence of<br>failure?   | Significant (see Q20)  | Significant (see Q20)   | Significant (see Q20)  | Significant (see Q20)   | Significant (see Q20)   | Significant (see Q20)   | Significant (see Q20)   | N/A   | Significant (see Q20)   |
| 14. What guideline do<br>you follow for the<br>classification system?   | Dam Safety<br>Reference Book of<br>CDA (CDA, 2019)     National criteria                                     | <ul> <li>Dam Safety</li> <li>Reference Book of</li> <li>CDA (CDA, 2019)</li> <li>National criteria</li> </ul>   | <ul> <li>Dam Safety</li> <li>Reference Book of CDA</li> <li>(CDA, 2019)</li> <li>National criteria</li> </ul>  | <ul> <li>Dam Safety</li> <li>Reference Book of</li> <li>CDA (CDA, 2019)</li> <li>National criteria</li> </ul> | <ul> <li>Dam Safety</li> <li>Reference Book of</li> <li>CDA (CDA, 2019)</li> <li>National criteria</li> </ul> | <ul> <li>Dam Safety</li> <li>Reference Book of</li> <li>CDA (CDA, 2019)</li> <li>National criteria</li> </ul> | <ul> <li>Dam Safety</li> <li>Reference Book of</li> <li>CDA (CDA, 2019)</li> <li>National criteria</li> </ul> | N/A   | <ul> <li>Dam Safety</li> <li>Reference Book of</li> <li>CDA (CDA, 2019)</li> <li>National criteria</li> </ul> |
| 15. Has this facility, at<br>any point in its history,<br>failed to be confirmed<br>or certified as stable,<br>or experienced notable<br>stability concerns, as<br>identified by an<br>independent engineer<br>(even if later certified<br>as stable by the same<br>or a different firm)? | No   | Yes. The<br>independent audit<br>carried out by SRK<br>Consulting in 2021<br>revealed that there is<br>insufficient data on<br>the stability<br>characteristics of the<br>soil. Additional<br>engineering and<br>geological surveys<br>will be carried out in<br>2023 to assess the<br>dam's stability. | No. However, taking<br>into account the<br>potential climate<br>change risks, in 2022<br>additional geophysical<br>works to were carried<br>out to confirm the<br>stability of the<br>permafrost | No  | Νο  | No  | No  | No  | No  |
| 16. Do you have<br>internal/in house<br>engineering specialist<br>oversight of this<br>facility? Or do you<br>have external<br>engineering support for<br>this purpose?   | Internal control   | Internal control  | Internal control   | Internal control  | Internal control  | Internal control  | Internal control  | Internal control  | Internal control  |
| 17. Has a formal<br>analysis of the<br>downstream impact on<br>communities, eco-<br>systems and critical<br>infrastructure in the<br>event of catastrophic<br>failure been<br>undertaken and to<br>reflect final conditions?<br>If so, when did this<br>assessment take<br>place?         | Yes, 2022  | Yes, 2018   | Yes, 2021  | Yes, 2020   | Yes, 2019   | Yes, 2019   | Yes, 2018   | Yes, 2020   | Yes, 2018   |
| 18. Is there a) a<br>closure plan in place<br>for this dam, and b)<br>does it include long<br>term monitoring?  | a) No;<br>b) No. Reclamation<br>Program will be<br>developed in details<br>by the time<br>of the TSF closure | a) Yes;<br>b) No. Reclamation<br>Program will be<br>developed in details<br>by the time of the<br>TSF closure   | a) Yes;<br>b) Yes  | a) Yes;<br>b) No. Reclamation<br>Program will be<br>developed in details by<br>the time of the TSF<br>closure | a) Yes;<br>b) No. Reclamation<br>Program will be<br>developed in details by<br>the time of the TSF<br>closure | a) Yes;<br>b) No. Reclamation<br>Program will be<br>developed in details<br>by the time of the TSF<br>closure | a) Yes;<br>b) No. Reclamation<br>Program will be<br>developed in details by<br>the time of the TSF<br>closure | a) Yes;<br>b) No. We plan to<br>operate it until 2041<br>(the end of Albazino's<br>mine life), then further<br>monitoring plan will be<br>developed | a) Yes;<br>b) No. Reclamation<br>Program will be<br>developed in details by<br>the time of the TSF<br>closure |

| 19. Have you, or do<br>you plan to assess<br>your tailings facilities<br>against the impact of<br>more regular extreme<br>weather events as a<br>result of climate<br>change, e.g. over the<br>next two years? | Yes  | Yes  | Yes  | Yes  | Yes   | Yes  | Yes   | Yes   | Yes   |
|--|--|--|--|--|---|--|---|---|---|
| 20. Any other relevant<br>information and<br>supporting<br>documentation   | (Q13) The<br>consequences of<br>failure are assessed<br>as follows:<br>• Number of<br>permanent residents<br>in the area – none;<br>• Living environment<br>is not disturbed;<br>• Harm to ecosystem<br>is not significant and<br>damage<br>rehabilitation costs<br>less than USD 1.5<br>m;<br>• Potential failure<br>would be within the<br>land plots leased to<br>the company | <ul> <li>(Q7) Before 2017,<br/>each dam was raised<br/>partly on previously<br/>placed tailings and<br/>partly on crest of the<br/>dam which was<br/>constructed during<br/>previous phase.</li> <li>Since 2017, the dam<br/>has been raised on<br/>downstream slope.</li> <li>(Q13) The<br/>consequences of<br/>failure are assessed<br/>as follows:</li> <li>Number of<br/>permanent residents<br/>in the area – none;</li> <li>Living environment<br/>is not disturbed;</li> <li>Harm to ecosystem<br/>is not significant and<br/>damage<br/>rehabilitation costs<br/>less than USD 1.5 m;</li> <li>Potential failure<br/>would be within the<br/>land plots leased to<br/>the company</li> </ul> | (Q13) The<br>consequences of failure<br>are assessed as<br>follows:<br>• Number of permanent<br>residents in the area –<br>none;<br>• Living environment is<br>not disturbed;<br>• Harm to ecosystem is<br>not significant and<br>damage rehabilitation<br>costs less than USD 1.5<br>m;<br>• Potential failure would<br>be within the land plots<br>leased to the company | (Q13) The<br>consequences of failure<br>are assessed as<br>follows:<br>• Number of permanent<br>residents in the area –<br>none;<br>• Living environment is<br>not disturbed;<br>• Harm to ecosystem is<br>not significant and<br>damage rehabilitation<br>costs less than USD<br>1.5 m;<br>• Potential failure would<br>be within the land plots<br>leased to the company;<br>• 2 service employees<br>could be trapped within<br>the impact area | (Q13) The<br>consequences of<br>failure are assessed as<br>follows:<br>• Number of permanent<br>residents in the area –<br>none;<br>• Living environment is<br>not disturbed;<br>• Harm to ecosystem is<br>not significant and<br>damage rehabilitation<br>costs less than USD<br>1.5 m;<br>• Potential failure would<br>be within the land plots<br>leased to the company<br>and can affect not more<br>than 7 employees | <ul> <li>(Q5) Commissioned<br/>by former owner in<br/>1984.</li> <li>New launch in 2002<br/>after acquisition by<br/>Polymetal's subsidiary<br/>(Magadan Silver LLC)<br/>in 2000.</li> <li>(Q13) The<br/>consequences of<br/>failure are assessed<br/>as follows:</li> <li>Number of<br/>permanent residents<br/>in the area – none;</li> <li>Living environment<br/>is not disturbed;</li> <li>Harm to ecosystem<br/>is not significant and<br/>damage rehabilitation<br/>costs less than USD<br/>1.5 m;</li> <li>Potential failure<br/>would be within the<br/>land plots leased to<br/>the company</li> </ul> | (Q13) The<br>consequences of<br>failure are assessed as<br>follows:<br>• Number of<br>permanent residents in<br>the area – none;<br>• Living environment is<br>not disturbed;<br>• Harm to ecosystem is<br>not significant and<br>damage rehabilitation<br>costs less than USD<br>1.5 m;<br>• Potential failure<br>would be within the<br>land plots leased to the<br>company | (Q6) The dam is<br>decommisioned. A land<br>reclamation plan was<br>developed in 2021 and<br>will be carried out within<br>15 years | (Q13) The<br>consequences of<br>failure are assessed as<br>follows:<br>• Number of<br>permanent residents in<br>the area – none;<br>• Living environment is<br>not disturbed;<br>• Harm to ecosystem is<br>not significant and<br>damage rehabilitation<br>costs less than USD<br>1.5 m;<br>• Potential failure<br>would be within the<br>land plots leased to the<br>company |

## Dry stacking facilities (DFS)

| Polymetal asset/hub   | Voro   | Amursk POX   | Omolon   | Nezhda   |  |
|---|--|--|--|--|--|
| 1. "Tailings Facility" name/identifier  | Voro DSF   | Amursk DSF   | Omolon DSF   | Nezhda DSF   |  |
| 2. Location   | Russia<br>N 59°39'7"<br>E 60°18'57"  | Russia<br>N 50°15'18"<br>E 136°49'31"  | Russia<br>N 63°40'42.4"<br>E 159°57'00.7"  | Russia<br>N 62°30'40.8"<br>E 139°02'22.0"  |  |
| 3. Ownership  | Gold of Northern Urals<br>JSC  | Amur hydrometallurgical<br>plant LLC   | Omolon Gold Mining<br>Company LLC  | South-Verkhoyansk Mining<br>Company JSC  |  |
| 4. Status   | Active   | Active   | Active   | Active   |  |
| 5. Date of initial operation  | 2000   | 2012   | 2021   | 2021   |  |
| 6. Is the dam currently operated or closed as per currently approved design?  | Yes  | Yes  | Yes  | Yes  |  |
| 7. Raising method   | Dry stacking of tailings   |  |
| 8. Most recent Independent Expert Review  | Wardell Armstrong<br>International, 2019   | Wardell Armstrong<br>International, 2018   | -  | -  |  |
| 9. Do you have full and complete relevant<br>engineering records including design,<br>construction, operation, maintenance,<br>and/or closure?              | Yes  | Yes  | Yes  | Yes  |  |
| 10. What is your hazard categorization of this facility, based on the consequence of failure?   | Non-hazardous  | Non-hazardous  | Non-hazardous  | Non-hazardous  |  |
| 11. What guideline do you follow for the classification system?   | National criteria  | National criteria  | National criteria  | National criteria  |  |
| 12. Do you have internal/in house<br>engineering specialist oversight of this<br>facility? Or do you have external<br>engineering support for this purpose? | Internal control   | Internal control   | Internal control   | Internal control   |  |
| 13. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?  | a) Yes;<br>b) No. Reclamation<br>Program will be developed<br>in details by the time of the<br>DSF closure | a) Yes;<br>b) No. Reclamation<br>Program will be developed<br>in details by the time of the<br>DSF closure | a) Yes;<br>b) No. Reclamation Program<br>will be developed in details<br>by the time of the DSF<br>closure | a) Yes;<br>b) No. Reclamation Program<br>will be developed in details<br>by the time of the DSF<br>closure |  |