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Church of England Pensions Board

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Initiative
Secretary General
Swedish Council on Ethics for the AP Public
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Dear Church of England Pensions Board and
Swedish Council on Ethics for the AP Public Pension Fund:

Subject: Updated Inventory Disclosure

On June 4 2019, Newmont Goldcorp responded to the Investors Mining & Tailings Safety Initiative disclosure request for information concerning tailings facility management. That disclosure provided an inventory of tailings facilities for our operating sites, joint ventures, subsidiaries, and legacy sites as of April 10, 2019. Subsequently, two significant changes to our tailings portfolio transpired: 1) Newmont Mining Corporation acquired Goldcorp Inc.; and, 2) Newmont entered our Nevada operations into a joint venture, Nevada Gold Mines, managed by Barrick Gold Corporation.

This letter and attachments provide an update to the June 4, 2019 disclosure including the Former Goldcorp sites and those of the Nevada Gold Mines. This disclosure also includes information previously provided on our approach to tailings management and a description of updates to our approach following recent tailings disasters.

Tailings Management Approach

Provide an overview of your tailings management system, and how you manage risk?

Newmont Goldcorp's engineering, construction and operating standards and technical guidance explicitly cover tailings management and establish requirements to ensure safe and stable facilities throughout their operating and post-mine closure life. The design, construction and operation of all tailings impoundment facilities are scrutinized and managed through our Investment System process, supported by inspections and audits, critical controls and strict application of annual inspections by independent qualified geotechnical engineers. Newmont's Environmental Standard for Closure and Reclamation Management covers the long-term management of tailings impoundment facilities to ensure safe and stable conditions.

Newmont Goldcorp's Environmental Standard for Tailings and Heap Leach Facility Management sets the minimum requirements for the design and management of tailings storage facilities (TSFs) to protect human health, wildlife, flora, groundwater and/or surface water, prevent uncontrolled release to the environment, manage process fluids, and identifies requirements for closure and reclamation.

The standard works in conjunction with other standards and incorporates the International Council on Mining and Metals' position statement on 'Preventing Catastrophic Failure of Tailings Storage Facilities.' All Newmont Goldcorp sites identify, assess and comply with laws, regulations, permits, licenses, external



standards and other relevant or appropriate requirements. Our Tailings and Heap Leach Management Standard is available on our website:

<https://www.newmontgoldcorp.com/document/tailings-and-heap-leach-facility-management-standard/>

Newmont Goldcorp's Technical Services team has developed Tailings Facility Geotechnical Guidelines that define minimum requirements for safe tailings impoundments. Newmont Goldcorp's Technical Services team has also developed Seismic Design Criteria Guidelines that define minimum requirements for design, construction and operation of tailings impoundments to ensure safe and stable operations for region-specific seismic events. Each operation develops and implements site-specific Standard Operating Procedures (SOPs) and manuals based on the tailings impoundment design and operating criteria. Site-specific SOPs consist of per shift activities including inspections of pipelines, open liner, embankments, underdrains, pond levels and leak detection systems.

Emergency Response Planning and Communications - All Newmont Goldcorp operations have Emergency Response Plans that define chain of command and communications and actions to implement should a breach occur. Additionally, our operations have developed site-specific dam break inundation analysis plans to support emergency planning including communications and evacuation notification.

In most jurisdictions, Newmont Goldcorp operations also do joint drills and exercises with local emergency response teams to prepare for emergencies. It should be noted that Newmont Goldcorp has contingency plans in place at every operation that describe trigger levels and detailed actions required to prevent overtopping of tailings impoundments, as well as early warning and prevention systems for slope and foundation failures. Reporting is completed on a monthly basis associated with critical controls.

Audits, Inspections and Reporting - Newmont Goldcorp has a number of programs through our Sustainability and External Relations and Technical Services teams for auditing, inspecting and reporting on the stability of our tailings facilities. The Technical Services team routinely conducts geotechnical reviews with the internal engineering team and reviews annual inspection reports prepared by independent qualified geotechnical engineers and Independent Technical Review Boards. Reporting on tailings management systems at the corporate level can be found at:

<https://www.newmontgoldcorp.com/sustainability/sustainability-reporting/environmental-stewardship/tailings-waste-and-emissions/>

To improve understanding of the potential risks associated with tailings storage facility management, potential catastrophic failure was added as an enterprise risk in 2017 at our corporate, regional and site levels. Critical controls are reviewed and reported on a monthly basis at each operation as part of Newmont Goldcorp's Enterprise Risk Management program.

Further information on our approach to tailings and risks management can be found on our Tailings Website: <https://www.newmontgoldcorp.com/tailings/>

Changes in Approach – Following Recent Tailings Disaster

Confirm whether approach to tailings management has changed or will change in light of the recent tailings disasters at Brumadinho Mariana, Mt Polley and others. Have you, for example, reviewed all tailings storage facilities with upstream dam construction, and taken steps necessary to protect local communities and the environment e.g. buttressing, evacuation?

Following the Mt.Polley tailings dam failure, Newmont Goldcorp actively participated in the ICMM working group for development of the Position Statement on Preventing Catastrophic Failure of Tailings. We updated our internal standard for management of tailings facilities and were compliant by September 2018 with the Position Statement. Our TSFs are regularly reviewed under our standard requirements by internal geotechnical and hydrology experts, and an independent technical review is completed on an



annual basis to evaluate the facilities. We have implemented a program to track critical controls on our tailings facilities that is reported monthly from the sites and quarterly to our executive leadership. Our critical controls include verifying instrumentation measurements are below trigger levels, pond levels are within normal operating elevations, and annual independent reviews are performed and actions closed out. We have established four minimum critical controls for operating tailings facilities as identified below:

- **Critical Control #1** - Monitoring of instrumentation (e.g. piezometers, inclinometers, settlement points, rate of rise) against an established threshold or trigger levels.
- **Critical Control #2** – Monitoring reclaim pond level or elevation against the operational criteria and freeboard requirements.
- **Critical Control #3** – Independent Geotechnical Review
- **Critical Control #4** – Change Management (design, construction, operation)

We are also reporting to our executive leadership and Board of Directors on a quarterly basis on the status of our controls and management systems for tailings.

Certification

The information provided within this disclosure is true to the best of our knowledge, based on our governance, technical and review systems.

Sincerely,

A handwritten signature in blue ink, appearing to read "Tom Palmer".

Tom Palmer
President and Chief Executive Officer
Newmont Goldcorp

Attachments

Tailings Disclosure Inventory

| Region | Site Name & Location | 1) Qualifying Dam Structure (Name) | 2) Location (latitude/longitude) | 3) Ownership (as of July 2019) ³ | 4) Status | 5) Date of Initial Operation | 6) Is the Dam currently operated or closed as per currently approved design, and within design intent? (Yes/No) | 7) Raise Methodology | 8) Max Dam Height (m) | 9) Current Tailings Storage Impoundment Volume (m ³) ⁹ | 10) Planned Tailings Storage Impoundment Volume in 5 years (m ³) ¹⁰ | 11) Most Recent Inspection (Independent Expert Review) | 12) Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure? (Yes/No) | 13) Hazard Categorization ⁴ | 14) Classification System ⁴ | 15) Has this facility, at any point in its history, failed to be confirmed or certified as stable, as per the design criteria and requirements in place, by an independent engineer (even if later certified as stable by the same or a different firm)? (Yes/No) | 16) Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose? | 17) Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and updated to reflect current and anticipated conditions? If so, when did this assessment take place? (Yes/No plus information) | 18) Is there a) a closure plan in place for this dam, and b) does it include long term monitoring? (Yes and Yes, Yes and No, No and No) | 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? (Yes/No) | 20) Any other relevant information and supporting documentation ⁵ | |
|------------------------------------|---------------------------|---|--|---|--------------------------------|------------------------------|---|--------------------------------|--|---|--|--|---|--|---|---|--|---|---|--|---|---|
| Africa | Akym Ghana, Africa | TSF Cell 1 | Latitude: 6.326255 Longitude: -1.043444 | Owned and Operated | Active | 2013 | Yes | Downstream | 36 | 35 million | 36 million | Aug-19 | Yes | Very High | Canadian Dam Association | No | Both | Yes, June 2019 | Yes and Yes | Yes | Q9. The Akym TSF Cell 2 was recently commissioned (~July 2019). | |
| | | TSF Cell 2 | Latitude: 6.326255 Longitude: -1.043444 | Owned and Operated | Active | 2019 | Yes | Downstream | 45 | 2 million | 29 million | Aug-19 | Yes | Very High | Canadian Dam Association | No | Both | Yes, June 2019 | Yes and Yes | Yes | | |
| | Ahafo Ghana, Africa | Ahafo TSF | Latitude: 7.034309 Longitude: -2.374835 | Owned and Operated | Active | 2006 | Yes | Downstream/Modified Centerline | 40 | 71 million | 90 million | Aug-19 | Yes | Extreme | Canadian Dam Association | No | Both | Yes, August 2017 | Yes and Yes | Yes | | |
| Australia | Boddington WA, Australia | Residue Disposal Area | Latitude: -32.695925 Longitude: 116.365559 | Owned and Operated | Active | 2009 | Yes | Downstream/Modified Centerline | 68 | 217 million | 400 million | Jul-19 | Yes | High C | ANCOLD | No | Both | Yes, December 2017 | Yes and Yes | Yes | Q9. Estimate Q12. Some construction engineering records currently unavailable. Q15 No such record found. | |
| | | R4 Residue Disposal Area | Latitude: -32.709840 Longitude: 116.380865 | Owned | Inactive/Care and Maintenance | 1987 | Yes | Upstream | 27 | 40 million | 40 million | May-18 | No | High B | ANCOLD | No | Both | Dam Breach - Yes, 2017 Inundation Mapping - No | Yes and Yes | Yes | | |
| | KCGM WA, Australia | Fimiston I | Latitude: -30.746707 Longitude: 121.508969 | JV | Active | 1988 | Yes | Upstream | 60 | 42 million | 63 million | Jul-19 | Yes | High B | ANCOLD | No | Both | Yes, 12/2016 | Yes and Yes | Yes | | |
| | | Fimiston II | Latitude: -30.751359 Longitude: 121.546371 | JV | Active | 1991 | Yes | Upstream | 60 | 120 million | 151 million | July-19 | Yes | High C | ANCOLD | No | Both | Yes, 2/2014 | Yes and Yes | Yes | | |
| | | Kaltails | Latitude: -30.798458 Longitude: 121.563501 | JV | Active | 2011 | Yes | Upstream | 60 | 82 million | 90 million | July-19 | Yes | High C | ANCOLD | No | Both | Yes, 9/2018 | Yes and Yes | Yes | | |
| | | Gidji I | Latitude: -30.583170 Longitude: 121.453803 | JV | Inactive/Care and Maintenance | 1989 | Yes | Upstream | 30 | 3 million | 3 million | July-19 | Yes | Low | ANCOLD | No | Both | Yes, 11/2010 | Yes and Yes | Yes | | |
| | | Gidji II | Latitude: -30.583170 Longitude: 121.471046 | JV | Active | 2012 | Yes | Downstream | 25 | 1 million | 2 million | Jul-19 | Yes | Low | ANCOLD | No | Both | Yes, 3/2011 | Yes and Yes | Yes | | |
| | | Mullingar | Latitude: -30.729694 Longitude: 121.471046 | JV | Inactive/Care and Maintenance | unknown | No | Upstream | 8 | 0.1 million | N/A | - | No | Unknown | Not classified | Uncertain | No | Unknown | Yes and No | No | | Q10. Estimate |
| | | Mt. Percy | Latitude: -30.718556 Longitude: -121.487728 | JV | Inactive/Care and Maintenance | 1985 | No | Upstream | 23 | 8.4 million | N/A | Jul-18 | No | Unknown | Not classified | Uncertain | No | Unknown | Yes and No | No | | Q9. 42 ha and 20 to 23 m high. Q11 informal. Q16 informal only. |
| | | Paringa | Latitude: -30.757052 Longitude: 121.523793 | JV | Inactive/Care and Maintenance | 1982 | No | Uncertain | 5 | 0.836 million | N/A | - | No | Unknown | Not classified | Uncertain | No | Unknown | Yes and No | No | | |
| | | Croesus | Latitude: -30.752291 Longitude: 121.499765 | JV | Inactive/Care and Maintenance | before 1973 | No | Uncertain | 20 | 4.25 million | N/A | 2012 | Yes | Unknown | Not classified | Uncertain | No | Unknown | Yes and No | No | | Q9. Estimate of portion not associated with Fim 1 TSF, partially encapsulated with waste rock. Q12 Fimiston I is built on top of a portion of the facility. |
| | Old Croesus | Latitude: -30.759984 Longitude: 121.497266 | JV | Inactive/Care and Maintenance | 1960s | No | Uncertain | 23 | 2.12 million | N/A | - | No | Unknown | Not classified | Uncertain | No | Unknown | Yes and No | No | Q7. Most of this tailings is encapsulated in waste rock within the pit Q9. Located in the pit | | |
| | Tanami NT, Australia | GTDO8 | Latitude: -20.533501 Longitude: 130.294334 | Owned and Operated | Active | 2012 | Yes | Upstream | 15 | 7 million | 17 million | Sep-19 | Yes | Significant | ANCOLD | No | Both | Yes, 10/2017 | Yes and Yes | Yes | | |
| | | GTDO3 | Latitude: -20.550019 Longitude: 130.323108 | Owned and Operated | Inactive/Care and Maintenance | 1999 | Yes | Upstream | 15 | 7 million | N/A | Sep-19 | Yes | Significant | ANCOLD | No | Both | No | Yes and Yes | Yes | | Q17. Downstream impacts being evaluated in 2019. |
| | | GTD01/02 | Latitude: -20.545191 Longitude: 130.311066 | Owned and Operated | Inactive/Opened for harvesting | 1986 | Yes | Upstream | 15 | 6 million | 4.5 million | September-19 | No | Significant | ANCOLD | No | Both | No | Yes and Yes | Yes | | Q10. Currently harvesting tails material from GTD02 for use in paste backfill Q11. Visual inspection only Q12. Sketches of design available, no records available from previous owner |
| | | Shoe (GTD04) | Latitude: -20.534006 Longitude: 130.307306 | Owned and Operated | Active | 2000 | Yes | In-pit | 6 | 1 million (above ground level) | 1 million (above ground level) | September-19 | Yes | Significant | ANCOLD | No | Both | No | Yes and Yes | Yes | | |
| | | Quorn (GTD05) | Latitude: -20.538379 Longitude: 130.294877 | Owned and Operated | Inactive/Care and Maintenance | 2003 | Yes | In-pit | 12 | 4 million (above ground level) | N/A | September-19 | Yes | Significant | ANCOLD | No | Both | No | Yes and Yes | Yes | | |
| Bunkers (GTD06) | | Latitude: -20.550019 Longitude: 130.323108 | Owned and Operated | Closed/Rehabilitated | 2007 | Yes | In-pit | 3 | 0.4 million (above ground level) | N/A | April-17 (post rehabilitation) | Yes | Significant | ANCOLD | No | Both | No | Yes and Yes | Yes | Q11. Rehabilitated - no longer assessed as part of annual audit of active TSFs | | |
| Bullakitchie (GTD07) | | Latitude: -20.537194 Longitude: 130.317088 | Owned and Operated | Closed/Rehabilitated | 1996 | Yes | In-pit | ground level | no above ground storage | N/A | June-05 | No | N/A | Not classified | No | Both | No | Yes and Yes | Yes | Q11. Rehabilitated - not assessed as part of annual audit of active TSFs Q13/14. In-pit TSF with no raises. There is no above ground impoundment to develop a hazard classification. | | |
| Mt. Leyshton Queensland, Australia | Southern Tailings Dam | Latitude: -20.2929 Longitude: 146.2788 | Owned | Closed - Reclaimed | 1995 | Yes | Upstream | 37 | 6.6 million | N/A | Feb-19 | Yes | Low | ANCOLD | No | External | No | Yes and Yes | Yes | Q17. The dam is dry and the tailings are reclaimed, there is no impounded water | | |
| | Old Northern Tailings Dam | Latitude: -20.2929 Longitude: 146.2788 | Owned | Closed - Reclaimed | 1988 | Yes | Upstream/Downstream | 43 | 11.4 million | N/A | Feb-19 | Yes | Low | ANCOLD | No | External | No | Yes and Yes | Yes | Q17. The dam is dry and the tailings are reclaimed, there is no impounded water | | |
| | New Northern Tailings Dam | Latitude: -20.2929 Longitude: 146.2788 | Owned | Closed - Reclaimed | 1998 | Yes | Upstream | 15 | 14 million | N/A | Feb-19 | Yes | Low | ANCOLD | No | External | No | Yes and Yes | Yes | Q17. The dam is dry and the tailings are reclaimed, there is no impounded water | | |
| North America | Carlin Nevada, USA | Mill 1 | Latitude: 40.918050 Longitude: -116.326583 | Owned and Operated | Closed | 1965 | Yes | Modified Centerline/Upstream | 90 | 17 million | N/A | Sep-18 | No | Significant | State of Nevada Division of Water Resources | No | Both | No | Yes and Yes | No | Closed in 1995, does not impound water. | |
| | | Mill 4/2 | Latitude: 40.947096 Longitude: -116.335377 | Owned and Operated | Inactive/Care and Maintenance | 1992 | Yes | Downstream | 195 | 10.7 million | N/A | Sep-18 | Yes | Significant | State of Nevada Division of Water Resources | No | Both | Yes, March 2018 | Yes and Yes | Yes | Q9/10. Most of the tailings will get mined out as part of the closure; however, there will be long-term monitoring of water quality | |
| | | Mill 3 (Rain) | Latitude: 40.596529 Longitude: -116.013734 | Owned and Operated | Closed | 1987 | Yes | Downstream | 107 | 3.9 million | N/A | Sep-18 | Yes | Significant | State of Nevada Division of Water Resources | No | Both | Yes, March 2018 | Yes and No | Yes | Conceptual closure in place; do not anticipate long-term monitoring | |
| | | Mill 5/6 | Latitude: 40.753694 Longitude: -116.199860 | Owned and Operated | Active | 1992 | Yes | Downstream | 90 | 97 million | 98 million | Dec-19 | Yes | Significant | State of Nevada Division of Water Resources | No | Both | Yes, March 2018 | Yes and Yes | Yes | Q11. Dam Safety Inspection | |
| | | Mill 5/6 West | Latitude: 40.753694 Longitude: -116.199860 | Owned and Operated | Active | 2011 | Yes | Downstream | 64 | 28 million | 46 million | Dec-19 | Yes | Significant | State of Nevada Division of Water Resources | No | Both | Yes, March 2018 | Yes and Yes | Yes | Q11. Dam Safety Inspection | |
| | | Mill 5/6 East | Latitude: 40.753694 Longitude: -116.199860 | Owned and Operated | Active | 2019 | Yes | Downstream | 70 | 0 | 18 million | Dec-19 | Yes | Significant | State of Nevada Division of Water Resources | No | Both | Yes, March 2018 | Yes and Yes | Yes | Q11. Dam Safety Inspection | |
| | | James Creek | Latitude: 40.775343 Longitude: -116.205448 | Owned and Operated | Closed | 1985 | Yes | Downstream | n/a the majority has been removed as part of the Gold Quarry layback | 0.4 million | N/A | Sep-18 | Yes | Significant | State of Nevada Division of Water Resources | No | Both | Yes, March 2018 | Yes and No | Yes | Q11. Most of the material has been removed so there is no long term monitoring. This facility is closed. | |

| Region | Site Name & Location | 1) Qualifying Dam Structure (Name) | 2) Location (latitude/longitude) | 3) Ownership (as of July 2019) ³ | 4) Status | 5) Date of Initial Operation | 6) Is the Dam currently operated or closed as per currently approved design, and within design intent? (Yes/No) | 7) Raise Methodology | 8) Max Dam Height (m) | 9) Current Tailings Storage Impoundment Volume (m ³) | 10) Planned Tailings Storage Impoundment Volume in 5 years (m ³) ⁴ | 11) Most Recent Inspection (Independent Expert Review) | 12) Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure? (Yes/No) | 13) Hazard Categorization ⁴ | 14) Classification System ⁴ | 15) Has this facility, at any point in its history, failed to be confirmed or certified as stable, as per the design criteria and requirements in place, by an independent engineer (even if later certified as stable by the same or a different firm)? (Yes/No) | 16) Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose? | 17) Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and updated to reflect current and anticipated conditions? If so, when did this assessment take place? (Yes/No plus information) | 18) Is there a) a closure plan in place for this dam, and b) does it include long term monitoring? (Yes and Yes, Yes and No, No and No) | 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? (Yes/No) | 20) Any other relevant information and supporting documentation ⁵ |
|---------------|--------------------------------------|---------------------------------------|--|---|-------------------------------|------------------------------|---|--|-----------------------|--|---|--|---|--|---|---|--|---|---|---|--|
| North America | Phoenix Nevada, USA | Lone Tree Mine Section 23 TSF | Latitude: 40.48 Longitude: -117.13 | Owned and Operated | Closed | unknown | Yes | Downstream | Unknown | approx. 16 million | N/A | Sep-18 | Yes | Unknown | Not Classified | No | Both | Yes, February 2019 | Yes and Yes | Yes | Q11. This facility is closed. The closure phase will be reviewed in 2020. |
| | | Phoenix TSF | Latitude: 40.494741 Longitude: -117.132001 | Owned and Operated | Active | 2006 | Yes | Downstream/Modified Centerline | 158 | 96 million | 132 million | Oct-19 | Yes | Low | State of Nevada Division of Water Resources | No | Both | Yes, Jan 2019 | Yes and Yes | Yes | |
| | Twin Creeks Nevada, USA | Juniper TSF | Latitude: 41.277754 Longitude: -117.136099 | Owned and Operated | Active | 1988 | Yes | Modified Centerline/Upstream | 73 | 64 million | 78 million | Nov-19 | Yes | Low | State of Nevada Division of Water Resources | No | Both | Yes, February 2019 | Yes and Yes | Yes | |
| | | Pinon TSF | Latitude: 41.277754 Longitude: -117.136099 | Owned and Operated | Closed | Before 1980 | Yes | Downstream | Unknown | 8.2 million | N/A | Sep-18 | Yes | Low | State of Nevada Division of Water Resources | No | Internal/In House Engineering Specialist | No | Yes and Yes | Yes | Q11. This facility is closed. The closure phase will be reviewed in 2020. |
| | Turquoise Ridge Nevada USA | Turquoise Ridge TSF | Latitude: 41.2360 Longitude: -117.2200 | NOJV | Closed | 1989 | Yes | Centerline, Downstream | 52 | 8.7 million | N/A | Feb-19 | Yes | Low | State of Nevada Division of Water Resources | No | Internal and External | Unknown | Yes and Yes | No | Q11. Dam safety inspection in February 2019. Facility is used for water management. |
| | Cortez Nevada, USA | Cells 1 & 2 | Latitude: 40.2624 Longitude: -116.7027 | NOJV | Closed | 1995 | Yes | Upstream | 65.5 | 35 million | N/A | May-19 | Yes | Significant | State of Nevada Division of Water Resources | Yes ⁹ | Internal and External | Yes, April 2018 | No and Yes | Yes | Q15. Questions regarding the estimated geotechnical stability of the Cortez Cells 1/2 TSF after design earthquake loading were raised during a recent independent review; geotechnical site investigation and laboratory testing programs are underway |
| | | Cell 4 | Latitude: 40.2266 Longitude: -116.6860 | NOJV | Active | 2013 | Yes | Downstream | 55 | 27 million | 39 million | May-19 | Yes | Low | State of Nevada Division of Water Resources | No | Internal and External | Yes, April 2018 | No and Yes | Yes | Q11. Third party review in May 2019 and Dam Safety Inspection in June 2019 |
| | | TA 1-3 | Latitude: 40.2039 Longitude: -116.6225 | NOJV | Closed | 1969 | Unknown | Unknown | 7.5 | 5.6 million | N/A | Unknown | No | Low | State of Nevada Division of Water Resources | Unknown | Internal | Unknown | Yes and Yes | Yes | Q11. Facility is closed passive |
| | | TA 4-5 | Latitude: 40.2136 Longitude: -116.612825 | NOJV | Closed | 1974 | Unknown | Unknown | 10 | 1.8 million | N/A | Unknown | No | Low | State of Nevada Division of Water Resources | Unknown | Internal | Unknown | Yes and Yes | Yes | Q11. Facility is closed passive |
| | | TA 6 | Latitude: 40.2135 Longitude: -116.624058 | NOJV | Closed | 1984 | Unknown | Unknown | 16.8 | 5.2 million | N/A | Unknown | No | Low | State of Nevada Division of Water Resources | Unknown | Internal | Unknown | Yes and Yes | Yes | Q11. Facility is closed passive |
| | | TA 7 | Latitude: 40.2088 Longitude: -116.6243 | NOJV | Closed | 1994 | Unknown | Unknown | 19 | 0.8 million | N/A | June 2019 | No | Low | State of Nevada Division of Water Resources | Unknown | Internal | Unknown | No and Yes | Yes | Two phases of the Cortez TA 7 TSF were built and operated; three additional expansion phases remain permitted but were never constructed. Q11 Dam Safety inspection was completed in June 2019. |
| | Goldstrike Nevada, USA | North Block TDF | Latitude: 41.0033 Longitude: -116.3586 | NOJV | Active | 1994 | Yes | Downstream | 129.5 | 147 million | 232 million | May-19 | Yes | Significant | State of Nevada Division of Water Resources | No | Internal and External | Yes, September 2015 | No and Yes | Yes | Q11. Third party review in May 2019 and October 2019 |
| | | TSF 3 | Latitude: 40.9945 Longitude: -116.3472 | NOJV | Active | 2014 | Yes | Downstream | 85.5 | 37 million | 73 million | May-19 | Yes | Significant | State of Nevada Division of Water Resources | No | Internal and External | Yes, September 2015 | No and Yes | Yes | |
| | | AA TSF | Latitude: 40.9853 Longitude: -116.3426 | NOJV | Closed | 1988 | Yes | Downstream | 65.5 | 18 million | n/a | Aug-16 | Unknown | Significant | State of Nevada Division of Water Resources | Unknown | Internal and External | Unknown | Yes and Yes | Yes | Q11. Dam Safety inspection in August 2019 and Dam Safety Review September 2019 |
| | | Mill 4 TSF | Latitude: 40.989607 Longitude: -116.3471 | NOJV | Closed | 1989 | Yes | Downstream | 56.5 | 8.4 million | N/A | Aug-16 | Unknown | High | State of Nevada Division of Water Resources | Unknown | Internal and External | Unknown | Yes and Yes | Yes | |
| | | Arturo TSF (TD-1) | Latitude: 41.0073 Longitude: -116.4320 | NOJV | Closed | 1984 | Yes | Downstream | 33.5 | 2.6 million | N/A | Unknown | No | Unknown | Not Classified | Unknown | Internal | Unknown | Yes and Yes | Yes | Q11. Facility is closed passive |
| | Minera Peñasquito Zacatecas, Mexico | Presa de Jales | Latitude: 24.6212 Longitude: -101.7300 | Owned and Operated | Active | 2009 | Yes | Centerline | 126 | 200 million | 533 million | Sep-19 | Yes | Extreme | Canadian Dam Association | Yes | Internal and External | Yes, September 2016 | Yes and Yes | No | |
| | Porcupine Gold Mines Ontario, Canada | Dome No.6 TMA | Latitude: 48.4374 Longitude: -81.2136 | Owned and Operated | Active | 1983 | Yes | Various (Downstream / Centerline / Upstream) | 33 | 72 million | 110 million | Jun-19 | Yes | Extreme | Canadian Dam Association | No | External Engineering Support | Yes, August 2015 | Yes and Yes | Yes | Q17. The dam breach and inundation study is currently being updated |
| | | Coniaurum | Latitude: 48.4976 Longitude: -81.2830 | Owned and Operated | Inactive/Care and Maintenance | 1913 | Yes | Upstream | 10 | 4.9 million | N/A | May-17 | Yes | Low | Canadian Dam Association | Yes | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated. Q18. Rehabilitation work completed in 2008. |
| | | Broulan Reef | Latitude: 48.5135 Longitude: -81.1469 | Owned and Operated | Inactive/Care and Maintenance | 1938 | Yes | Buttressed downstream | 20 | 3.3 million | N/A | Jun-18 | Yes | High | Canadian Dam Association | Yes | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated. Q15. The facility was buttressed with waste rock to achieve appropriate stability in 2017 |
| Dome 1, 2, 2A | | Latitude: 48.4763 Longitude: -81.2476 | Owned and Operated | Inactive/Care and Maintenance | 1925 | Yes | Upstream | 24 | 35 million | N/A | Jun-18 | Yes | Significant | Canadian Dam Association | No | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated. Q12. Engineering gap analysis underway, instrumentation being installed. | |
| Dome 3 | | Latitude: 48.4696 Longitude: -81.2432 | Owned and Operated | Inactive/Care and Maintenance | 1961 | Yes | Upstream | 18 | 6.8 million | N/A | May-17 | Yes | Unknown | Not Classified | No | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated | |
| Dome 4 | | Latitude: 48.4665 Longitude: -81.2549 | Owned and Operated | Inactive/Care and Maintenance | 1979 | Yes | Upstream | 10 | 1.6 million | N/A | May-17 | Yes | Unknown | Not Classified | No | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated | |

| Region | Site Name & Location | 1) Qualifying Dam Structure (Name) | 2) Location (latitude/longitude) | 3) Ownership (as of July 2019) ³ | 4) Status | 5) Date of Initial Operation | 6) Is the Dam currently operated or closed as per currently approved design, and within design intent? (Yes/No) | 7) Raise Methodology | 8) Max Dam Height (m) | 9) Current Tailings Storage Impoundment Volume (m ³) | 10) Planned Tailings Storage Impoundment Volume in 5 years (m ³) ⁴ | 11) Most Recent Inspection (Independent Expert Review) | 12) Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure? (Yes/No) | 13) Hazard Categorization ⁴ | 14) Classification System ⁴ | 15) Has this facility, at any point in its history, failed to be confirmed or certified as stable, as per the design criteria and requirements in place, by an independent engineer (even if later certified as stable by the same or a different firm)? (Yes/No) | 16) Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose? | 17) Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and updated to reflect current and anticipated conditions? If so, when did this assessment take place? (Yes/No plus information) | 18) Is there a) a closure plan in place for this dam, and b) does it include long term monitoring? (Yes and Yes, Yes and No, No and No) | 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? (Yes/No) | 20) Any other relevant information and supporting documentation ⁵ | |
|---|---|--|---|---|-------------------------------|------------------------------|---|-------------------------------------|--------------------------------|--|---|--|---|--|--|---|--|---|---|---|---|---|
| North America | Porcupine Gold Mines Ontario, Canada | Dome 5 | Latitude: 48.4635 Longitude: 81.2519 | Owned and Operated | Inactive/Care and Maintenance | 1925 | Yes | Upstream | 8 | 0.7 million | N/A | May-17 | Yes | Unknown | Not Classified | No | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated | |
| | | Paymaster North | Latitude: 48.4537 Longitude: 81.2674 | Owned and Operated | Inactive/Care and Maintenance | 1915 | Yes | Upstream | 11 | 2.8 million | N/A | May-17 | Yes | Unknown | Not Classified | No | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated | |
| | | Paymaster South | Latitude: 48.4425 Longitude: 81.2599 | Owned and Operated | Inactive/Care and Maintenance | 1915 | Yes | Upstream | 10 | 1.5 million | N/A | May-17 | Yes | Unknown | Not Classified | No | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated | |
| | | McIntyre | Latitude: 48.4997 Longitude: - 81.2832 | Owned and Operated | Inactive/Care and Maintenance | 1912 | Yes | Upstream | 5 | 32.2 million | N/A | Jun-18 | Yes | Yes | Significant | Canadian Dam Association | Yes | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated. Q15. Pursuing an Environmental Compliance Approval (Ministry) to construct a weir. - Decommission T2 decant tower in 2019 as per EoR recommendation. |
| | | Pamour T3 | Latitude: 48.5269 Longitude: - 81.1329 | Owned and Operated | Inactive/Care and Maintenance | 1936 | Yes | Upstream | 14 | 17.5 million | N/A | Jun-18 | Yes | Yes | Significant | Canadian Dam Association | Yes | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated Q15. Engineering gap analysis underway, may require buttressing and improved water management. |
| | | Pamour T2 | Latitude: 48.5167 Longitude: 81.1233 | Owned and Operated | Inactive/Care and Maintenance | 1936 | Yes | Upstream | 30 | 20.7 million | N/A | Jun-18 | Yes | Yes | Significant | Canadian Dam Association | No | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated. Q18. Rockfill buttress installed in 2010 |
| | | Pamour T1 | Latitude: 48.5279 Longitude: 81.1136 | Owned and Operated | Inactive/Care and Maintenance | 1936 | Yes | Upstream | 15 | 3.9 million | N/A | Jun-18 | Yes | Yes | Unknown | Not Classified | No | External Engineering Support | No | Yes and Yes | No | Q9. Tailings currently being farmed for paste fill reducing the volume of tailings in the impoundment |
| | | Aunor A | Latitude: 48.4419 Longitude: - 81.2775 | Owned and Operated | Inactive/Care and Maintenance | 1940 | Yes | Upstream | 14 | 0.7 million | N/A | Jun-18 | Yes | Yes | Significant | Canadian Dam Association | No | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated. Currently, moving concentrate from fringes which will be relocated to top of Aunor A in 2019. Q18. Remediation construction proposed/scheduled to commence in 2020 dependent upon business plan |
| | | Aunor B | Latitude: 48.4382 Longitude: - 81.2818 | Owned and Operated | Inactive/Care and Maintenance | 1940 | Yes | Upstream | 18 | 1.5 million | N/A | Jun-18 | Yes | Yes | Moderate | Canadian Dam Association | No | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated. Q18. South slope regraded and rip rap added in 2008 |
| | | Delnrite | Latitude: 48.43722 Longitude: -81.29701 | Owned and Operated | Inactive/Care and Maintenance | 1937 | Yes | Upstream | 16 | 1.6 million | N/A | May-18 | Yes | Yes | Moderate | Canadian Dam Association | No | External Engineering Support | No | Yes and Yes | No | Q9. The volume was estimated. Q18. Upper tier re-sloped and lower portion of downstream slope covered with rip rap in 2008 |
| | Hallnor | Latitude: 45.5239 Longitude: 81.1455 | Owned and Operated | Inactive/Care and Maintenance | 1939 | Yes | Upstream | 11 | 4.9 million | N/A | May-18 | Yes | Yes | Moderate | Canadian Dam Association | No | External Engineering Support | No | Yes and Yes | No | Q9. Volume estimated. Q15/18- Facility buttressed and armored spillways constructed in 2012 | |
| | Red Lake Gold Mines Ontario, Canada | Campbell Complex | Latitude: 51.0641 Longitude: - 93.7575 | Owned and Operated | Active | 1983 | Yes | Upstream | 14 | 7 million | 8 million | Oct-19 | Yes | Very High | Canadian Dam Association | No | External Engineering Support | Yes, 2018 | Yes and Yes | No | | |
| | | Red Lake Complex | Latitude: 51.0641 Longitude: -93.7158 | Owned and Operated | Active | 1960 | Yes | Modified Centerline/Downstream | 8 | 6 million | 7 million | Oct-19 | Yes | Significant | Canadian Dam Association | No | External Engineering Support | Yes, 2018 | Yes and Yes | No | | |
| | | Balmer Tailings | Latitude: 51.0641 Longitude: - 93.7575 | Owned and Operated | Inactive/Care and Maintenance | 1949 | Yes | Other | 3 | 2.5 million | 2.5 million | Oct-19 | Yes | Low | Canadian Dam Association | No | External Engineering Support | No | Yes and Yes | No | | |
| | | Cochenour Wilanour Complex | Latitude: 51.0418 Longitude: - 93.4843 | Owned and Operated | Inactive/Care and Maintenance | 1939 | Yes | Centerline | 7 | 1.8 million | 1.8 million | Oct-19 | Yes | High | Canadian Dam Association | No | External Engineering Support | No | Yes and Yes | No | | |
| | Dona Lake Mine Ontario, Canada | Main Tailings Facility | Latitude: 51.4159 Longitude: 90.0954 | Owned and Operated | Inactive/Care and Maintenance | 1990 | Yes | Upstream | 15 | 0.7 million | N/A | Sep-19 | Yes | Significant | Canadian Dam Association | No | External Engineering Support | Yes | Yes and Yes | No | | |
| | Muskelwhite Mine Ontario Canada | Muskelwhite TMA | Latitude: 52.5974 Longitude: 90.38.06 | Owned and Operated | Active | 1996 | Yes | Centerline/Upstream | 21 | 12 million | 19 million | Oct-19 | Yes | Significant | Canadian Dam Association | No | External Engineering Support | No | Yes and Yes | No | | |
| | Éléonore Mine Quebec, Canada | No Dam | Latitude: 52.7224 Longitude: -76.0682 | Owned and Operated | Active | 2014 | Yes | Filtered Tailings Stack on Liner | N/A | N/A | N/A | N/A | Yes | N/A | Not Classified | No | External Engineering Support | No | No and No | No | Q13. The dam is not classified as it is a filtered dry stack | |
| | Equity Silver British Columbia, Canada | TMA | Latitude: 54.2043 Longitude: - 126.2691 | Owned and Operated | Inactive/Care and Maintenance | 1984 | Yes | Downstream transition to centerline | 61 | 48 million | N/A | Sep-19 | Yes | Very High | Canadian Dam Association | No | External Engineering Support | Yes, June 2018 | Yes and Yes | No | | |
| | Miramar - Con Mine Northwest Territory, Canada | Upper Pud | Latitude: 62.4308 Longitude: -114.3763 | Owned | Closed - Reclaimed | 1998 | Yes | Upstream/Centerline | Heights vary - Max. Height ~13 | 1.55 million | N/A | Aug-19 | Yes | Low | Canadian Dam Association | No | External | Dam Safety Review full report scheduled for 2019 | Yes and Yes | Yes | No water impoundment | |
| Middle Pud | | Latitude: 62.4308 Longitude: -114.3763 | Owned | Inactive | 1998 | Yes | Upstream | Heights vary - Max. Height ~ 7 | 0.93 million | N/A | Aug-19 | Yes | Low | Canadian Dam Association | No | External | Dam Safety Review full report scheduled for 2019 | Yes and Yes | Yes | No water impoundment | | |
| Lower Pud, Neil Lake and Neques TCAs | | Latitude: 62.4308 Longitude: -114.3763 | Owned | Inactive | 2009 | Yes | Upstream | 1.5 | 0.62 million | N/A | Aug-19 | Yes | Low | Canadian Dam Association | No | External | Dam Safety Review full report scheduled for 2019 | Yes and Yes | Yes | Currently a shallow wetland, very low head | | |
| Golden Giant Ontario, Canada | Interlake Tailings Facility | Latitude: 48.6956 Longitude: -85.9051 | Owned | Inactive | 1984 | Yes | Downstream | Heights vary - Max height ~38 | 11.6 million | N/A | Oct-19 | Yes | Extreme | Canadian Dam Association | No | External | Yes, 2019 | Yes and Yes | Yes | Q9. Volume estimated, Water Impoundment to maintain water quality, no active addition of tails | | |
| Empire Mine California, USA | Stacy Lane Pond | Latitude: 39.2047 Longitude: -121.0476 | Owned by California State Parks | Inactive | 1910-1955 | N/A | Unknown | 9 | 0.25 million | N/A | - | No | High | Canadian Dam Association | No | External | No | No and No | Yes | Q9. The volume was estimated. Q11. Historic Impoundment; Free draining, has toe drain | | |
| | Sand Dam - Property owned by California State Parks | Latitude: 39.2047 Longitude: -121.0476 | Owned by California State Parks | Inactive | 1956 | N/A | Unknown | 21 | 10 million | N/A | Aug-19 | No | High | Canadian Dam Association | No | External | No | No and No | Yes | Q9. The volume was estimated Q11. Historic Impoundment; Free draining, has toe drain | | |
| Battle Mountain - San Luis Mine Colorado, USA | San Luis Tailings Storage Facility | Latitude: 37.2538 Longitude: -105.3410 | Owned | Inactive | 1989 | Yes | Upstream | 47 | 0.92 million | N/A | Jul-19 | Yes | Low | Canadian Dam Association | No | External | No | Yes and Yes | Yes | Q17. Stores minimal water in small pond, brine reject from reverse osmosis system; Essentially dry | | |
| Resurrection Mining Co - California Gulch Colorado, USA | Oregon Gulch Tailings Impoundment | Latitude: 39.2367 Longitude: -106.2815 | Owned | Inactive | 1999 | Yes | Upstream | 29 | 0.45 million | N/A | Sep-19 | Yes | High | Canadian Dam Association | No | External | No | Yes and Yes | Yes | | | |
| | Yak WTP Surge Pond | Latitude: 39.2367 Longitude: -106.2815 | Owned | Inactive/Care and Maintenance | 1988 | Yes | Upstream | 23 | Not Available | N/A | Sep-19 | No | High | Canadian Dam Association | No | External | No | No and No | Yes | Q11. Low head small, lined storage lagoon on top of historic tails | | |
| | Res#2 Tailings Pond | Latitude: 39.2367 Longitude: -106.2815 | Owned | Closed | - | Yes | Upstream | Closed | Uncertain | N/A | - | No | Low | Canadian Dam Association | No | External | No | No and No | Yes | Q11. Impoundment at grade and dry | | |
| | Res #1 Tailings Pond | Latitude: 39.2367 Longitude: -106.2815 | Owned | Closed | - | Yes | Upstream | Closed | Uncertain | N/A | - | No | Low | Canadian Dam Association | No | External | No | No and No | Yes | Q11. Impoundment at grade and dry | | |
| Resurrection Mining Co - Black Cloud Colorado, USA | Iowa Gulch Tailings Impoundment | Latitude: 39.2241 Longitude: -106.2341 | Owned | Closed - Reclaimed | 1997 | Yes | Downstream -9.1 m rise Centerline - 9.1 m rise Upstream - 2.4 m rise | 29 | 0.95 million | N/A | Sep-19 | Yes | High | Canadian Dam Association | No | External | No | Yes and Yes | Yes | Q9. The volume was estimated | | |

| Region | Site Name & Location | 1) Qualifying Dam Structure (Name) | 2) Location (latitude/longitude) | 3) Ownership (as of July 2019) ³ | 4) Status | 5) Date of Initial Operation | 6) Is the Dam currently operated or closed as per currently approved design, and within design intent? (Yes/No) | 7) Raise Methodology | 8) Max Dam Height (m) | 9) Current Tailings Storage Impoundment Volume (m ³) | 10) Planned Tailings Storage Impoundment Volume in 5 years (m ³) ⁶ | 11) Most Recent Inspection (Independent Expert Review) | 12) Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure? (Yes/No) | 13) Hazard Categorization ⁴ | 14) Classification System ⁴ | 15) Has this facility, at any point in its history, failed to be confirmed or certified as stable, as per the design criteria and requirements in place, by an independent engineer (even if later certified as stable by the same or a different firm)? (Yes/No) | 16) Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose? | 17) Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and updated to reflect current and anticipated conditions? If so, when did this assessment take place? (Yes/No plus information) | 18) Is there a) a closure plan in place for this dam, and b) does it include long term monitoring? (Yes and Yes, Yes and No, No and No) | 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? (Yes/No) | 20) Any other relevant information and supporting documentation ⁵ |
|---------------------------------|--|--|--|---|-------------------------------|------------------------------|---|-------------------------|-----------------------|--|---|---|---|--|--|---|--|---|--|---|--|
| North America | Dawn Mill Washington, USA | Tailings Disposal Area 1-3 | Latitude: 47.9053 Longitude: -117.8256 | Owned | Closed - Reclaimed | 1980 | Yes | Unknown | 9 | 1.76 million | N/A | - | Yes | Unknown | Not Classified | No | External | Not Applicable | No and No | Yes | Q11. Dry; EPA Approved Monitoring and Stabilization Plan |
| | | Tailings Disposal Area 4 | Latitude: 47.9053 Longitude: -117.8256 | Owned | Closed - Reclaimed | 1981 | Yes | Below Grade Impoundment | n/a | 0.11 million | N/A | - | Yes | N/A | Not Classified | No | External | Not Applicable | No and No | Yes | Q11. Dry; EPA Approved Monitoring and Stabilization Plan. Q13 This is a below ground impoundment therefore there is no hazard classification |
| | Idarado Colorado, USA | Red Mountain #1 | Latitude: 37.91365 Longitude: -107.7026 | Owned | Closed - Dry Stack Reclaimed | 1945 | Yes | Upstream | 15 | 0.04 million | N/A | Annual Inspection by local State Regulator (CDPHE) 2019 | Yes | Unknown | Not Classified | No | Internal and External | Not Applicable | Yes and Yes | Yes | Q7. The dam has been regraded for reclamation to be a free draining landform. Q9. The volume was estimated. Q16. Idarado Remedial Action Plan; Annual vegetation inspections |
| | | Red Mountain #2 | Latitude: 37.91365 Longitude: -107.7026 | Owned | Closed - Dry Stack Reclaimed | Pre-1950 | Yes | Upstream | 20 | 0.1 million | N/A | Annual Inspection by local State Regulator (CDPHE) 2019 | Yes | Unknown | Not Classified | No | Internal and External | Not Applicable | Yes and Yes | Yes | Q7. The dam has been regraded for reclamation to be a free draining landform. Q9. The volume was estimated. Q16. Idarado Remedial Action Plan; Annual vegetation inspections |
| | | Red Mountain #3 | Latitude: 37.91365 Longitude: -107.7026 | Owned | Closed - Dry Stack Reclaimed | Pre-1950 | Yes | Upstream | 15 | 0.1 million | N/A | Annual Inspection by local State Regulator (CDPHE) 2019 | Yes | Unknown | Not Classified | No | Internal and External | Not Applicable | Yes and Yes | Yes | Q7. The dam has been regraded for reclamation to be a free draining landform. Q9. The volume was estimated. Q16. Idarado Remedial Action Plan; Annual vegetation inspections |
| | | Red Mountain #4 | Latitude: 37.91365 Longitude: -107.7026 | Owned | Closed - Dry Stack Reclaimed | 1956 | Yes | Upstream | 15 | 1.5 million | N/A | Annual Inspection by local State Regulator (CDPHE) 2019 | Yes | Unknown | Not Classified | No | Internal and External | Not Applicable | Yes and Yes | Yes | Q7. The dam has been regraded for reclamation to be a free draining landform. Q9. The volume was estimated. Q16. Idarado Remedial Action Plan; Annual vegetation inspections |
| | | Red Mountain Buried Tailings | Latitude: 37.91365 Longitude: -107.7026 | Owned | Closed - Dry Stack Reclaimed | Pre-1950 | Yes | Upstream | 30 | Uncertain | N/A | Annual Inspection by local State Regulator (CDPHE) 2019 | Yes | Unknown | Not Classified | No | Internal and External | Not Applicable | Yes and Yes | Yes | Q7. The dam has been regraded for reclamation to be a free draining landform. Q16. Idarado Remedial Action Plan; Annual vegetation inspections |
| | | Telluride Tailings Pile 1-4 | Latitude: 37.91365 Longitude: -107.7026 | Owned | Closed - Dry Stack Reclaimed | 1939 | Yes | Upstream | 13 | 0.22 million | N/A | Annual Inspection by local State Regulator (CDPHE) 2019 | Yes | Unknown | Not Classified | No | Internal and External | Not Applicable | Yes and Yes | Yes | Q7. The dam has been regraded for reclamation to be a free draining landform. Q9. The volume was estimated. Q16. Idarado Remedial Action Plan; Annual vegetation inspections |
| Telluride Tailings Pile 5-6 | Latitude: 37.91365 Longitude: -107.7026 | Owned | Closed - Dry Stack Reclaimed | 1978 | Yes | Upstream | 30 | 9.5 million | N/A | Annual Inspection by local State Regulator (CDPHE) 2019 | Yes | Unknown | Not Classified | No | Internal and External | Not Applicable | Yes and Yes | Yes | Q7. The dam has been regraded for reclamation to be a free draining landform. Q9. The volume was estimated. Q16. Idarado Remedial Action Plan; Annual vegetation inspections | | |
| South America | Merian Suriname, South America | Merian TSF | Latitude: 5.001387 Longitude: -54.643815 | Subsidiary | Active | 2016 | Yes | Downstream | 48 | 28 million | 75 million | Sep-19 | Yes | High | Canadian Dam Association | No | Internal and External | Yes, January 2018 | Yes and Yes | Yes | |
| | | LQ Mill Sands Facility South | Latitude: -6.998463 Longitude: -78.561831 | JV | Inactive/Care and Maintenance | 2007 | Yes | Downstream | 80 | 45 million | 45 million | Oct-18 | Yes | Very High | Canadian Dam Association | No | Internal and External | Yes, Sep 2018 | Yes and Yes | Yes | |
| | Yanacocha Peru, South America | LQ Mill Sands Facility North | Latitude: -6.998463 Longitude: -78.561831 | JV | Active | 2018 | Yes | Downstream | 80 | 5 million | 20 million | Oct-18 | Yes | Very High | Canadian Dam Association | No | Internal and External | Yes, Sep 2018 | Yes and Yes | Yes | |
| | | Mina Cerro Negro Santa Cruz, Argentina | TSF 1 | Latitude: -46.8706 Longitude: -70.1963 | Owned and Operated | Active | 2014 | Yes | Downstream | 51 | 4.3 million | 13 million | Jun-19 | Yes | Significant | Canadian Dam Association | No | External | No | Yes and No | No |
| | Alumbraera Argentina, South America | Alumbraera TMS Embankment | Latitude: -60.5639 Longitude: -27.3319 | NOJV | Inactive/Care and Maintenance | 1988 | Yes | Modified Centerline | 125 | 450 million | N/A | Sep-18 | Yes | Very High | Canadian Dam Association | No | Internal and External | Yes, 2018 | Yes and Yes | Yes | |
| | Pueblo Viejo Dominican Republic | El Llagal TSF | Latitude: -18.8987 Longitude: -70.1735 | NOJV | Active | 2012 | Yes | Downstream | 114 | 52 million | 175 million | Nov-18 | Yes | Extreme | Canadian Dam Association | No | Internal and External | Yes, February 2018 | No and Yes | Yes | Q9/10. For Pueblo Viejo the estimated current and planned ultimate tailings volume do not include waste rock that is also stored within the Llagal TSF; the planned ultimate capacity of tailings plus waste rock is 225 Mm3 |
| Marlin San Marcos, Guatemala | Represa de Colas | Latitude: 15.2398 Longitude: -91.6845 | Owned and Operated | Inactive/Care and Maintenance | 2005 | Yes | Downstream | 82.5 | 15 million | N/A | Oct-19 | Yes | Significant | Canadian Dam Association | No | External | Yes, 2018 | Yes and Yes | No | | |

Notes:

- 1) For facilities that are inactive or closed there is no planned tailings storage volume provided - n/a has been included within the disclosure.
- 2) A portion of the volumes for the legacy impoundments (closed, rehabilitated at non operating sites) were estimated based on topography, old drawings or areas and heights. If the volume is approximate it is described as such.
- 3) The date of ownership has been changed based on the updated timeline for the disclosure. The ownership is shown as of July 1, 2019. JV designates Joint Venture, NOJV designates non-operated joint venture
- 4) Hazard classifications are done through Canadian Mine Association (CMA) this includes both CMA 2013 and current methods, Australia National Commission for Large Dams (ANCOLD) or the State of Nevada Division of Water Resources. N/A designates that the hazard classification is not applicable (i.e. below ground, filtered dry stack or in-pit deposition). Unknown designates that a hazard classification has not been completed.
- 5) Additional information or clarification provided in Question 20 (Q20)
- 6) N/A designates that there is not additional tailings deposition planned