



### **Toxic Release Inventory Reporting**

At Kennecott Utah Copper, we fully support the sharing of appropriate information regarding the placement of tailings and overburden materials. We are committed to maximum transparency consistent with good governance, which is a direct reflection of our commitment to sustainable development.

A “release to land” by EPA definition, includes the placement of mining residuals into a secure and permitted tailings impoundment even though the tailings impoundment is specifically sited, engineered, constructed, and permitted to prevent a release to the environment.

The dirt and rock moved at the mine have naturally occurring trace levels of metals (Ex: lead, zinc, copper) that must be reported. The two largest contributors to Kennecott’s TRI reporting are a result from the movement of overburden material and disposal to tailings. Even though these mining residuals are being safely stored in specifically sited, engineered, constructed and permitted facilities, they require reporting. The amount of material moved each year makes us a large TRI reporter.

At Kennecott, we mine approximately 188,000 tons of copper ore and 340,000 tons of overburden (non-economic material) each day, so the trace amounts add up over time. For every one ton of ore, we recover two ounces of lead and five ounces of zinc. A difference in a metals concentration of a few parts per million results in millions of pounds reported considering the large amounts of material moved each year. These small changes in concentration directly impact our TRI totals.

Our remediation efforts also increase our TRI totals. The Bingham Magna Ditch is a good example. When contaminated soil from remediation projects is transported to specifically sited, engineered and permitted facilities, it increases our TRI totals.

In addition to our required TRI reporting, we regularly report on operational performance and check the accuracy of our data internally while seeking independent verification where appropriate. We also voluntarily give detailed social and environmental performance data through our annual sustainable development report and the Climate Registry.

### **Reducing our TRI release reporting**

We are continuously looking at ways to improve our operation, and some of these improvements result in reductions to our TRI reporting figures. Watering, improving and grading roads reduces fugitive dust emissions. We replace aging equipment with low-emissions equipment and continuously utilize emissions monitoring systems.

Our smelter is one of the most technologically advanced, energy efficient and cleanest copper smelters in the world. The smelter recovers waste heat and co-generates about 22 megawatts of electricity (2/3 of the smelter's energy supply) from waste heat. The smelter captures 99.9 percent of the sulfur during the smelting process. This is an excellent example of our commitment to improve our operations through capital investments.