

Kirkland Lake Gold Inc. Macassa Mine Site - Ontario Toxic Reduction Act Summary Table for 2010

TRA Substance Information		Process Inputs			Process Outputs							
Substance Name	Units Used for Totals	Input (Chemicals used or in raw materials)	Created	Total Inputs	Total Transformed or Destroyed	Releases to Air- On Site	Released to Water- On Site	Released to Water - Off Site (Amikoungami Creek)	Released to Land On Site (Tailings Basin)	Transfer Off Site for Chemical Treatment	Transfer for Recycling	Total Output
Arsenic	kg/yr	1,192	0	1,192	0	0	0	1.8	1,190	0	0	1,192
Cadmium	kg/yr	40	0	40	0	0	0	0.007	40	0	0	40
Copper	kg/yr	14,020	0	14,020	0	0	0	20	14,000	0	0	14,020
Cyanide	kg/yr	67,635	0	67,635	65,110	0	0	125	2,400	0	0	2,525
Lead	kg/yr	28,000	0	28,000	0	0	0	0.005	28,000	0	0	28,000
Manganese	kg/yr	190,013	0	190,013	0	1.3	0	11.7	190,000	0	0	190,013
Mercury	kg/yr	14	0	14	0	0	0	0.001	14	0	0	14
Zinc	kg/yr	14,010	0	14,010	0	0	0	10	14,000	0	0	14,010

Certification by the Highest Ranking Employee Located at Macassa Mine Site

As of June 17th, 2011, I certify that I have read the records in the above Table and am familiar with the contents and that to my knowledge the information contained in the records is factually accurate.



**Mark Tessier, Chief Operating Officer
Kirkland Lake Gold Inc.**