

## Alamos Gold Inc. Young Davidson Mine - Toxics Reduction Act (TRA) Public Summary Report

The Province of Ontario developed a Toxics Reduction Strategy that included the introduction of the Toxics Reduction Act, 2009 to reduce toxic substances created or used in manufacturing processes and to better inform Ontarians about toxic chemicals in the air, water, land and consumer products. The promotion of positive health and environmental outcomes is a basic expectation of a responsible, democratically elected government and a healthy economy provides the resources to support such positive outcomes.

Ontario is blessed with a geology that provides a huge mineral abundance. The mining and refining of these riches has brought Ontarians wealth and supported us for generations. The goods produced from our minerals provide the essentials we rely on in food, medicine, energy, construction, transportation and communication, among our other daily needs. In addition, mining provides the building blocks we require to meet the growing global demand for greener products and services.

The concept of sustainability has been incorporated into the mining practices in Ontario and informs the management of waste streams that our industry produces. When it comes to "toxics", it is important to remember that metals can only be mined or recycled. The ore that is mined essentially contains the periodic table of elements, some of which have been classified as "toxics" under the Toxics Reduction Act. While there is no opportunity to reduce the levels of these naturally occurring substances, nor should there be a desire to eliminate highly useful and recyclable metals from our economy, there are opportunities for leadership on improving health outcomes for Ontarians when it comes to chemical exposures.

While, for mining, this primarily means dealing with end-of-pipe emissions, there may be some areas where the adoption of safer alternatives and green technologies is feasible. As a first step in implementing this strategy, Alamos Gold Inc. Young Davidson Mine has completed an inventory report of applicable substances on which to focus its toxics reduction planning efforts. A summary of the report along with a certification statement from Luc Guimond, General Manager, is provided below.

**Facility Information:** Alamos Gold, Young-Davidson Mine  
PO Box 187  
Hwy 566, Mine Site  
Matachewan ON, P0K 1M0

NPRI ID: 26132  
MOE ID:  
D\_U\_N\_S #:  
Federal Business #:  
CDN SIC code: 0611 – Gold Mines  
US SIC code: 1041 – Gold Ores  
NAICS code: 212220 – Gold & Silver Ore Mining

**Parent Company:** Alamos Gold Inc  
Suite 3910, 181 Bay Street  
Toronto, ON M5J 2T3

Federal Business #: 877576637  
% Ownership: 100

Substance Accounting Summary Table for 2014

Toxic Substance	CAS No.	Unit	Use	Creation	Contained in Product
Arsenic	N/A-2	kg	>10,000 to 100,000	0 to 1	>1,000 to 10,000
Cadmium	N/A-3	kg	>1,000 to 10,000	0 to 1	>100 to 1,000
Chromium	N/A-4	tonnes	>100 to 1,000	0 to 1	>10 to 100
Cobalt	N/A-5	tonnes	>10 to 100	0 to 1	>1 to 10
Copper	N/A-6	tonnes	>100 to 1,000	0 to 1	>100 to 1,000
Lead	N/A-8	kg	>100,000 to 1,000,000	0 to 1	>10,000 to 100,000
Manganese	N/A-9	tonnes	>1,000 to 10,000	0 to 1	>100 to 1,000
Mercury	N/A-15	kg	>10 to 100	0 to 1	0 to 1
Nickel	N/A-10	tonnes	>100 to 1,000	0 to 1	>10 to 100
Phosphorus (Total)	N/A-17	tonnes	>1,000 to 10,000	0 to 1	>100 to 1,000
Selenium	N/A-12	kg	>1,000 to 10,000	0 to 1	>100 to 1,000
Vanadium	7440-62-2	tonnes	>100 to 1,000	0 to 1	>10 to 100
Zinc	N/A-14	tonnes	>100 to 1,000	0 to 1	>10 to 100
Antimony	N/A-1	tonnes	>1 to 10	0 to 1	0 to 1
Silver	N/A-13	tonnes	>1 to 10	0 to 1	0 to 1
Thallium	N/A-16	kg	>1,000 to 10,000	0 to 1	>100 to 1,000
Cyanides	N/A-7	tonnes	>1,000 to 10,000	0 to 1	0 to 1
Hydrochloric Acid	7647-01-0	tonnes	>100 to 1,000	0 to 1	0 to 1
Carbon Disulphide	75-15-0	tonnes	0 to 1	>10 to 100	0 to 1
Total Reduced Sulphur	N/A-TRS	tonnes	0 to 1	>10 to 100	0 to 1
Nitrate Ion	N/A-11	tonnes	0 to 1	>1 to 10	0 to 1
Ammonia (Total)	N/A	tonnes	0 to 1	0 to 1	0 to 1
Carbon Monoxide	630-08-0	tonnes	0 to 1	>100 to 1,000	0 to 1
Nitrogen Oxides	11104-93-1	tonnes	0 to 1	>10 to 100	0 to 1
PM - Particulate Matter	N/A-M08	tonnes	0 to 1	>10 to 100	0 to 1
PM10 - Particulate Matter <=10 Micrometers	N/A-M09	tonnes	0 to 1	>10 to 100	0 to 1
PM2.5 - Particulate Matter <=2.5 Micrometers	N/A-M10	tonnes	0 to 1	>1 to 10	0 to 1

**Certification:** I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facilities identified above are accurate, based on reasonable estimates using available data. The data for the facilities I represent are hereby submitted to the program identified above using the Single Window Reporting Application. I also acknowledge that the data will be made public.

Luc Guimond, General Manager

Signature:

