

Cominco Chemical Corporation Operations

(British Columbia Canada)



Overview

Cominco's smelting and refining complex at Trail, B.C., produces a wide range of metals and related products, including refined zinc, lead, silver, gold, cadmium, indium, bismuth, germanium concentrate, germanium dioxide, copper sulphate, copper arsenate, sodium antimonate and a variety of sulphur products. Ammonium phosphate and ammonium sulphate fertilisers are produced from sulphur dioxide that is recovered from the processing zinc and lead concentrates.

Cominco Trail Plant Discharges to Columbia River (kg/day)

	Lead	Zinc	Cadmium	Arsenic	Copper	Mercury
1992	235.0	232.0	13.1	9.2	15.2	1.2
1993	74.7	196.0	3.4	8.3	5.4	0.3

The Cominco phosphate mine in Trail, British Columbia Canada is a major supplier of hydrofluosilicic acid for western Canada and the Pacific Northwest. The table below lists the results of a Cominco heavy metal chemical analysis of a solution of hydrofluosilicic acid from their phosphate plant.

Cominco Heavy Metal chemical analysis of water fluoridation chemical (hydrofluosilicic acid).

METAL	AMOUNT	PPM
Arsenic	57 mg/l	57 ppm
Lead	3 mg/l	3 ppm
Mercury	.01 mg/l	.01 ppm
Chromium	.1 mg/l	.1 ppm

This data was published in the Alberta Report on February 17, 1992.