



ROYAL OAK
MINES INC.

73-6301
73-2980 (Management)
73-8983 (Purchasing)

Paul's Copy

GIANT YELLOWKNIFE MINES LIMITED

STATIC SULFUR DIOXIDE MONITORING STATIONS

Number	Location	Distance
1	Near SO ₂ Monitoring Trailer	1.5 km
2	Akaltcho	2.5
3	Gold Lake	4.0
4	#4 Dam	0.7
5	#11 Dam	0.7
6	Turnoff to Gowganda Yard	1.0
7	Road to Frenchie's & Townsite	0.5
8	Near Main Office Building	0.7
9	Highway Access to A-1 Pit	1.4
10	Highway Access to Crusher	0.4
11	Arsenic Fill Pipe - Pit Road	0.3
12	Front Side B-1 Pit	0.2
13	Rec Hall	1.7
14	100 m East of Stack	0.1
15	Adjacent to Quonset Hut	0.1
16	Near Refinery	0.2
17	200 m West of Roaster Building	0.2

GH - 502 File (note)

GIANT YELLOWKNIFE MINES
Yellowknife

EXPOSURE CYLINDER RESULTS

October 5 to November 5, 1989

**WESTERN INDUSTRIAL LABORATORIES LIMITED**

8109 - 102 STREET
EDMONTON, ALBERTA, CANADA
T6E 4A4

Phone: (403) 439-7969
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Date 26 November 1990

STATIC MONITORING RESULTS

Report No. 273-8128-1

PLANT: Yellowknife OPERATOR: Giant Yellowknife Mines

DATES OF EXPOSURE: 5 October - 5 November 1990

Station Number	Total Sulphation	Hydrogen Sulphide		Station Number	Total Sulphation	Hydrogen Sulphide	
	SO ₃ eq. mg/day/ 100 sq. cm.				SO ₃ eq. mg/day/ 100 sq. cm.		
1	0.021	0.018					
2	0.029	0.006					
3	0.029	< 0.001					
4	0.025	0.009					
5	1.150	0.006					
6	0.935	0.012					
7	2.100	0.073					
8	0.542	0.025					
9	0.304	0.033					
10	0.414	0.051					
11	0.025	0.004					
12	0.113	0.006					
13	0.466	0.012					
14	0.040	0.005					
15	0.181	0.022					
16	0.206	0.023					
17	0.300	0.006					

NOTE: There was no total sulphation plate labelled #11. However, since all other plates were numbered it was assumed that the un-numbered sample was #11.

WESTERN INDUSTRIAL LABORATORIES LIMITED


L. L. Alexander