

ROYAL OAK MINES INC.
NWT DIVISION - GIANT MINE

ANNUAL AIR SAMPLING REPORT: 1995

STATION		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	AVERAGE
Roaster Filter Floor	Total Resp													
	Dust - mg/m ³			0.32			0.54			0.60			0.48	0.49
	As - ug/m ³			18.47			18.36			19.80			21.00	19.41
Roaster Control Room	Total Resp													
	Dust - mg/m ³			0.16			0.12			0.14			0.18	0.15
	As - ug/m ³			7.30			6.00			9.50			9.20	8.00
Roaster Top Floor	Total Resp													
	Dust - mg/m ³			0.29			0.36			0.31			0.48	0.36
	As - ug/m ³			30.90			28.00			26.20			27.50	28.15
Cottrell Top Floor	Total Resp													
	Dust - mg/m ³			0.53			0.47			0.44			0.46	0.48
	As - ug/m ³			27.16			28.11			24.50			22.10	25.47
Cottrell Bottom Floor	Total Resp													
	Dust - mg/m ³			0.56			0.40			0.52			0.36	0.46
	As - ug/m ³			28.80			18.35			20.00			19.26	21.60
Cottrell Control Room	Total Resp													
	Dust - mg/m ³			0.21			0.14			0.10			0.12	0.14
	As - ug/m ³			5.56			6.18			5.80			5.35	5.72
Baghouse Bottom Floor	Total Resp													
	Dust - mg/m ³			0.55			0.48			0.36			0.38	0.44
	As - ug/m ³			19.70			16.36			15.00			17.00	17.02
Baghouse Top Floor	Total Resp													
	Dust - mg/m ³			0.25			0.17			0.19			0.29	0.23
	As - ug/m ³			24.04			19.45			17.40			18.90	19.95
Refinery Furnace	Total Resp													
	Dust - mg/m ³	1.00	0.89	1.09	1.14	1.26	1.10	1.32	1.20	1.80	1.40		1.20	1.22
	As - ug/m ³	34.65	31.88	35.58	37.3	38.12	37.45	38.00	37.24	39.44	35.86		36.00	36.50
Refinery Control Room	Total Resp													
	Dust - mg/m ³	0.11	0.26	0.15	0.20	0.26	0.23	0.34	0.18	0.14	0.12		0.10	0.19
	As - ug/m ³	7.25	8.00	6.01	6.50	7.10	6.90	7.15	6.00	5.40	5.00		5.30	6.42
Carbon Plant	Total Resp													
	Dust - mg/m ³			0.25			0.20			0.30			0.22	0.24
	As - ug/m ³			21.44			18.01			21.00			17.05	19.38

Threshold Limit Values: Total Arsenic - 50 micrograms per cubic meter
Respirable Dust - 5.0 milligrams per cubic meter

AIR SAMPLING REPORT CONT'D.

STATION		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	AVERAGE
Wood Picker	Total Resp													
	Dust - mg/m ³		0.92			1.11			1.20				1.01	1.06
	Silica - ug/m ³													
Jaw Crusher	Total Resp													
	Dust - mg/m ³		0.99			1.20			1.09				1.23	1.13
	Silica - ug/m ³													
Cone Crusher	Total Resp													
	Dust - mg/m ³		1.18			1.26			1.30				1.25	1.25
	Silica - ug/m ³													
Screen Floor	Total Resp													
	Dust - mg/m ³		0.84			0.94			1.00				1.11	0.97
	Silica - ug/m ³													
Top of Ore Bins	Total Resp													
	Dust - mg/m ³		0.52			0.99			1.44				0.89	0.96
	Silica - ug/m ³													
Crusher Setting Room	Total Resp													
	Dust - mg/m ³		0.15			0.12			0.18				0.14	0.15
	Silica - ug/m ³													
Crusher Control Room	Total Resp													
	Dust - mg/m ³		0.13			0.18			0.11				0.16	0.15
	Silica - ug/m ³													
Under Ore Bins	Total Resp													
	Dust - mg/m ³	0.41			0.35			0.39			0.18			0.33
#2 Ball Mill	Total Resp													
	Dust - mg/m ³	0.25			0.29			0.22			0.15			0.23
Flotation Bench	Total Resp													
	Dust - mg/m ³	0.23			0.18			0.14			0.10			0.16
Solutions Desk	Total Resp													
	Dust - mg/m ³	0.26			0.15			0.12			0.10			0.16
Cyanide Mix Area	Total Resp													
	Dust - mg/m ³	0.38			0.60			0.54			0.42			0.49

Threshold Limit Values: Respirable Dust - 5.0 milligrams per cubic meter