

DUST

ROYAL OAK MINES INC.
NWT Division - Giant Mine

AIR SAMPLING REPORT, 1994

Station		January	February	March	April	May	June	July	August	September	October	November	December	Average
Roaster Filter Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.63			0.78			0.59			0.18	0.55
	As - mg/m ³			17.80			22.43			18.60			17.52	19.09
Roaster Ctrl Rm	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.22			0.22			0.43			0.10	0.24
	As - mg/m ³			7.00			7.00			6.34			7.00	6.84
Roaster Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.77			1.77			2.50			0.97	1.75
	As - mg/m ³			29.80			29.00			27.00			25.19	27.75
Cottrell Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.60			1.86			1.70			1.14	1.58
	As - mg/m ³			25.80			26.98			24.00			20.40	24.30
Cottrell Bottom Flr	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.44			1.30			1.00			0.56	1.08
	As - mg/m ³			22.45			24.60			21.80			18.41	21.82
Cottrell Ctrl Rm	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.10			0.06			0.12			0.29	0.14
	As - mg/m ³			5.00			5.10			5.40			6.02	5.38
Baghouse Bottom Flr	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.78			1.65			0.89			1.14	1.37
	As - mg/m ³			21.69			23.44			18.20			18.03	20.34
Baghouse Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.89			1.84			1.70			0.90	1.58
	As - mg/m ³			28.98			24.65			23.49			17.61	23.68
Refinery Furnace	Total/Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	
	Dust - mg/m ³	2.40	1.95	2.00	1.70	2.10	2.12	2.60	2.50	2.75	2.05	2.55	1.12	2.15
	As - mg/m ³	34.40	35.55	32.00	32.66	37.48	37.99	41.08	36.09	39.95	35.04	37.03	34.57	36.15
Refinery Ctrl Rm	Total/Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	
	Dust - mg/m ³	0.83	0.31	0.45	0.40	0.19	0.26	9.76	0.65	0.50	0.28	0.18		1.26
	As - mg/m ³	6.17	9.05	7.41	8.12	6.00	9.00	9.44	8.75	10.00	11.00	5.56		8.23
Carbon Plant	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.88			0.96			0.72			0.13	0.67
	As - mg/m ³			19.00			18.45			18.00			15.72	17.79

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

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Station		January	February	March	April	May	June	July	August	September	October	November	December	Average
Wood Picker	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		2.90			2.70			3.00			1.80		2.60
	Silica - ug/m ³													
Jaw Crusher	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		3.10			3.19			2.85			2.05		2.80
	Silica - ug/m ³													
Cone Crusher	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		3.00			2.98			3.12			1.94		2.76
	Silica - ug/m ³													
Screen Floor	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		3.50			3.35			3.05			2.46		3.09
	Silica - ug/m ³													
Top of Ore Bins	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		2.00			3.00			2.10			1.00		2.03
	Silica - ug/m ³													
Crusher Setting Rm	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		0.50			0.44			0.60			0.24		0.45
	Silica - ug/m ³													
Crusher Ctrl Rm	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		0.79			0.95			0.70			0.80		0.81
	Silica - ug/m ³													
Under Ore Bins	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	1.12			0.98			1.54			0.80			1.11
Ball Mill	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	1.00			0.90			1.12			0.76			0.95
Flotation Bench	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	0.34			0.25			0.27			0.20			0.27
Solutions Desk	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	0.41			0.34			0.48			0.36			0.40
Cyanide Mix Area	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	1.44			1.50			1.35			1.10			1.35

Threshold Limit Values: Respirable Dust = 5.0 milligrams per cubic meter.