

ROYAL OAK MINES INC.
NWT Divison - Giant Mine

AIR SAMPLING REPORT, OCTOBER, 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				0.65
	As - mg/m ³			17.80			22.43			18.60				11.60
Roaster Cotnrol Room	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.22			0.22			0.43				0.35
	As - mg/m ³			7.00			7.00			6.34				6.34
Roaster Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.77			1.77			2.50				2.08
	As - mg/m ³			29.80			29.00			27.00				15.00
Cottrell Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.60			1.86			1.70				0.99
	As - mg/m ³			25.80			26.98			24.00				14.82
Cottrell Bottom Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.44			1.30			1.00				0.94
	As - mg/m ³			22.45			24.60			21.80				12.48
Cottrell Control Room	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.10			0.06			0.12				0.39
	As - mg/m ³			5.00			5.10			5.40				7.00
Baghouse Bottom Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.78			1.65			0.89				1.00
	As - mg/m ³			21.69			23.44			18.20				10.50
Baghouse Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.89			1.84			1.70				1.39
	As - mg/m ³			28.98			24.65			23.49				17.97
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			2.66
	As - mg/m ³	34.40	35.55	32.00	32.66	37.48	37.99	41.08	36.09	39.95	35.04			38.07
Refinery Control Room	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			0.74
	As - mg/m ³	6.17	9.05	7.41	8.12	6.00	9.00	9.44	8.75	10.00	11.00			7.61
Carbon Plant	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.88			0.96			0.72				0.89
	As - mg/m ³			19.00			18.45			18.00				15.00

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					2.60
	Silica - ug/m ³													
Jaw Crusher	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		3.10			3.19								2.90
	Silica - ug/m ³													
Cone Crusher	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		3.00			2.98			3.12					3.00
	Silica - ug/m ³													
Screen Floor	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		3.50			3.35			3.05					2.80
	Silica - ug/m ³													
Top of Ore Bins	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		2.00			3.00			2.10					2.95
	Silica - ug/m ³													
Crusher Setting Room	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		0.50			0.44			0.60					0.63
	Silica - ug/m ³													
Crusher Control	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		0.79			0.95			0.70					0.92
	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			1.13
Ball Mill	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	1.00			0.90			1.12			0.76			0.84
Flotation Bench	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	0.34			0.25			0.27			0.20			0.33
Solutions Desk	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	0.41			0.34			0.48			0.36			0.30
Cyanide Mix Area	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	1.44			1.50			1.35			1.10			0.72

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