

AL

ROYAL OAK MINES INC.  
NWT Divison - Giant Mine

Monthly Air Sampling Report May 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 <sup>3</sup>			0.65										0.65
	As - mg/m <sup>3</sup>			11.60										11.60
Roaster Cotnrol Room	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m <sup>3</sup>			0.35										0.35
	As - mg/m <sup>3</sup>			6.34										6.34
Roaster Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m <sup>3</sup>			2.08										2.08
	As - mg/m <sup>3</sup>			15.00										15.00
Cottrell Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m <sup>3</sup>			0.99										0.99
	As - mg/m <sup>3</sup>			14.82										14.82
Cottrell Bottom Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m <sup>3</sup>			0.94										0.94
	As - mg/m <sup>3</sup>			12.48										12.48
Cottrell Control Room	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m <sup>3</sup>			0.39										0.39
	As - mg/m <sup>3</sup>			7.00										7.00
Baghouse Bottom Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m <sup>3</sup>			1.00										1.00
	As - mg/m <sup>3</sup>			10.50										10.50
Baghouse Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m <sup>3</sup>			1.39										1.39
	As - mg/m <sup>3</sup>			17.97										17.97
Refinery Furnace	Total/Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	
	Dust - mg/m <sup>3</sup>	2.50	3.01	2.89	2.49	2.39								2.66
	As - mg/m <sup>3</sup>	37.45	39.08	38.86	39.64	35.33								38.07
Refinery Control Room	Total/Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	
	Dust - mg/m <sup>3</sup>	0.65	0.72	0.66	0.88	0.80								0.74
	As - mg/m <sup>3</sup>	6.95	7.30	8.90	7.78	7.10								7.61
Carbon Plant	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m <sup>3</sup>			0.89										0.89
	As - mg/m <sup>3</sup>			15.00										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 <sup>3</sup>		2.82			2.38								2.60
	Silica - ug/m <sup>3</sup>													
Jaw Crusher	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m <sup>3</sup>		3.19			2.53								2.90
	Silica - ug/m <sup>3</sup>													
Cone Crusher	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m <sup>3</sup>		3.01			2.95								3.00
	Silica - ug/m <sup>3</sup>													
Screen Floor	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m <sup>3</sup>		3.00			2.55								2.80
	Silica - ug/m <sup>3</sup>													
Top of Ore Bins	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m <sup>3</sup>		2.90			3.00								2.95
	Silica - ug/m <sup>3</sup>													
Crusher Setting Room	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m <sup>3</sup>		0.55			0.70								0.63
	Silica - ug/m <sup>3</sup>													
Crusher Control	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m <sup>3</sup>		0.89			0.95								0.92
	Silica - ug/m <sup>3</sup>													
Under Ore Bins	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m <sup>3</sup>	1.01			1.25									1.13
#2 Ball Mill	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m <sup>3</sup>	0.88			0.77									0.84
Flotation Bench	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m <sup>3</sup>	0.30			0.35									0.33
Solutions Desk	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m <sup>3</sup>	0.25			0.35									0.30
Cyanide Mix Area	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m <sup>3</sup>	0.65			0.78									0.72

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