

ROYAL OAK MINES INC.
NWT Division - Giant Mine

AIR SAMPLING REPORT, 1996

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			0.71			0.78			0.64				
	As - mg/m ³			16.90			15.85			17.10				
Roaster Ctrl Rm	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.18			0.23			0.15				
	As - mg/m ³			6.30			7.00			7.15				
Roaster Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.50			1.38			1.45				
	As - mg/m ³			22.0			18.45			20.5				
Cottrell Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.30			1.55			1.26				
	As - mg/m ³			27.0			25.00			24.90				
Cottrell Bottom Flr	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.96			1.16			1.23				
	As - mg/m ³			23.0			21.9			24.50				
Cottrell Ctrl Rm	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.10			0.18			0.22				
	As - mg/m ³			4.0			4.85			5.45				
Baghouse Bottom Flr	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.60			1.38			1.29				
	As - mg/m ³			20.95			21.0			19.95				
Baghouse Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			1.70			1.78			1.58				
	As - mg/m ³			21.45			22.0			20.85				
Refinery Furnace	Total/Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	
	Dust - mg/m ³	2.65	2.72	2.50	2.46	2.20	2.30	2.45	2.18	2.26	2.49			
	As - mg/m ³	38.40	39.05	37.60	37.80	36.90	37.15	38.00	37.40	37.90	38.18			
Refinery Ctrl Rm	Total/Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	
	Dust - mg/m ³	0.70	0.63	0.55	0.72	0.53	0.75	0.35	0.49	0.70	0.41			
	As - mg/m ³	7.05	6.90	6.65	6.88	5.90	6.75	5.50	6.95	6.45	7.11			
Carbon Plant	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.60			0.48			0.71				
	As - mg/m ³			18.50			17.12			16.90				

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
Jaw Crusher	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		2.98			3.15			2.80					
	Silica - ug/m ³													
Cone Crusher	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		3.12			3.00			3.22					
	Silica - ug/m ³													
Screen Floor	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		3.50			3.12			3.25					
	Silica - ug/m ³													
Top of Ore Bins	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		2.55			2.12			2.80					
	Silica - ug/m ³													
Crusher Setting Rm	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		0.48			0.60			0.52					
	Silica - ug/m ³													
Crusher Ctrl Rm	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		0.52			0.58			0.46					
	Silica - ug/m ³													
Under Ore Bins	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	1.05			0.98			1.13			1.23			
#2 Ball Mill	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	0.86			0.90			0.70			0.95			
Station Bench	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	0.28			0.20			0.18			0.13			
Solutions Desk	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	0.34			0.24			0.26			0.15			
Cyanide Mix Area	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	1.38			1.42			1.55			1.48			

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