

ROYAL OAK MINES INC.
NWT Division - Giant Mine

AIR SAMPLING REPORT, OCTOBER 1995

STATION		JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	AVERAGE
Reactor Filter Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.32			0.54			0.71				0.52
	As - ug/m ³			17.47			18.36			19.10				18.31
Reactor Control Room	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.16			0.12			0.25				0.18
	As - ug/m ³			7.30			6.00			7.95				7.08
Reactor Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.29			0.35			0.79				0.48
	As - ug/m ³			30.90			26.15			28.99				28.68
Control Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.53			0.47			0.44				0.48
	As - ug/m ³			27.15			28.11			27.56				27.61
Control Bottom Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.56			0.66			0.75				0.66
	As - ug/m ³			28.80			27.00			28.50				27.43
Control Central Room	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.21			0.14			0.18				0.18
	As - ug/m ³			5.56			6.18			7.25				6.33
Baghouse Bottom Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.70			0.40			0.65				0.58
	As - ug/m ³			18.70			16.35			18.85				17.97
Baghouse Top Floor	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.20			0.17			0.26				0.21
	As - ug/m ³			22.06			19.48			18.68				20.07
Refinery Furnace	Total/Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	
	Dust - mg/m ³	1.00	0.89	1.09	1.14	1.26	1.10	1.32	1.20	1.23	1.34			1.16
	As - ug/m ³	34.65	31.88	35.57	37.30	38.12	37.45	38.00	37.24	38.55	39.00			36.78
Refinery Control Room	Total/Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	Resp	
	Dust - mg/m ³	0.11	0.28	0.15	0.20	0.26	0.28	0.34	0.18	0.23	0.28			0.23
	As - ug/m ³	7.25	7.00	6.01	6.50	7.10	6.98	7.15	6.00	6.65	7.00			6.76
Carbon Plant	Total/Resp			Resp			Resp			Resp			Resp	
	Dust - mg/m ³			0.25			0.20			0.45				0.30
	As - ug/m ³			21.44			18.01			19.95				19.80

Threshold Limit Values:

Total Arsenic = 50 micrograms per cubic meter
Respirable Dust = 5.0 milligrams per cubic meter

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STATION		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	AVERAGE
Wood Picker	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		0.92			1.01			1.20					1.04
	Silica - ug/m ³													
Jaw Crusher	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		0.99			1.20			1.09					1.09
	Silica - ug/m ³													
Cone Crusher	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		1.18			1.26			1.35					1.26
	Silica - ug/m ³													
Screen Floor	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		0.34			0.94			1.11					0.80
	Silica - ug/m ³													
Top of Ore Bins	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		0.52			0.99			1.44					0.98
	Silica - ug/m ³													
Crusher Setting Room	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		0.15			0.20			0.34					0.23
	Silica - ug/m ³													
Crusher Control Room	Total/Resp		Resp			Resp			Resp			Resp		
	Dust - mg/m ³		0.13			0.19			0.56					0.29
	Silica - ug/m ³													
Under Ore Bins	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	0.41			0.35			0.29			0.41			0.37
#2 Ball Mill	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	0.25			0.29			0.22			0.27			0.26
Flotation Bench	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	0.23			0.18			0.15			0.20			0.19
Solutions Desk	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	0.26			0.15			0.12			0.25			0.20
Cyanide Mix Area	Total/Resp	Resp			Resp			Resp			Resp			
	Dust - mg/m ³	0.38			0.60			0.54			0.64			0.54

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