

TABLE 2 -Results of Stack Monitoring at Roxul West Inc.

						2007
Emission Source	Parameter List	2004 Results	2005 Results	2006 Results	Permit Limits	Proposed Limits
Spinner / Curing Oven Stack	Flow Rate (dscm/min)	2856	3083	2835	2250	4600
	Total Filterable PM (mg/dscm)	21.2	31.4	46.2	26.0	20.0
	Filterable PM ₁₀ (mg/dscm)	20.9	21.7	43.8		
	Filterable PM _{2.5} (mg/dscm)	19.8	18.6	32.6		
	Formaldehyde (mg/dscm)	2.92	1.60	0.33	20.0	8.00
Cooling Zone Stack	Flow Rate (dscm/min)	584	639	638	265	650
	Total Filterable PM (mg/dscm)	10.4	13.2	10.8	30.0	15.0
	Filterable PM ₁₀ (mg/dscm)	10.2	13.1	9.9		
	Filterable PM _{2.5} (mg/dscm)	10.1	12.7	7.7		
	Formaldehyde (mg/dscm)	0.60	0.70	0.59	15.0	8.0
Dust Collector- Line	Flow Rate (dscm/min)	396	421	407	510	550
	Total Filterable PM (mg/dscm)	1.1	1.8	5.0	10.0	5.0
	Filterable PM ₁₀ (mg/dscm)	0.8	0.7	4.2		
	Filterable PM _{2.5} (mg/dscm)	0.5	0.7	0.9		
Fume Hood East (2006 results are a copy of 2005)	Flow Rate (dscm/min)	327	331	331	250	delete
	Total Filterable PM (mg/dscm)	5.2	6.5	6.5	15.0	
	Filterable PM ₁₀ (mg/dscm)	4.7	4.4	4.4		
	Filterable PM _{2.5} (mg/dscm)	4.5	3.7	3.7		
	Formaldehyde (mg/dscm)	7.0	6.8	6.8	15.0	
Fume Hood West (2006 results are a copy of 2005)	Flow Rate (dscm/min)	152	147	147	100	delete
	Total Filterable PM (mg/dscm)	6.8	8.8	8.8	15.0	
	Filterable PM ₁₀ (mg/dscm)	5.2	8.6	8.6		
	Filterable PM _{2.5} (mg/dscm)	4.5	8.4	8.4		
	Formaldehyde (mg/dscm)	5.5	1.8	1.8	5.0	
PSM Curing Stack	Flow Rate (dscm/min)	1262	1270	1239	1100	1250
	Total Filterable PM (mg/dscm)	10.7	6.7	18.1	30.0	20.0
	Filterable PM ₁₀ (mg/dscm)	10.4	6.4	15.9		
	Filterable PM _{2.5} (mg/dscm)	10.0	6.0	9.0		
	Formaldehyde (mg/dscm)	0.5	0.8	0.5	20.0	8.0
Dust Collector- PSM	Flow Rate (dscm/min)	173	176	98	560	300
	Total Filterable PM (mg/dscm)	1.6	0.7	7.2	10.0	5.0
	Filterable PM ₁₀ (mg/dscm)	1.6	0.5	6.7		
	Filterable PM _{2.5} (mg/dscm)	1.4	0.3	2.0		
PSM Room Vents (2)	Flow Rate (dscm/min)	197	170	158	648	175
	Total Filterable PM (mg/dscm)	0.6	1.0	14.2	5.0	10.0
	Filterable PM ₁₀ (mg/dscm)	0.5	0.7	11.3		
	Filterable PM _{2.5} (mg/dscm)	0.4	0.5	3.8		
	Formaldehyde (mg/dscm)	1.3	0.3	0.3	10.0	8.0
	Formaldehyde Load (kg/day)	182.8	129.1	64.8	1176.6	769.0
	Total Particulate Load (kg/d)	1203.5	1702.7	2429.3	1719.2	1911.6
	Contaminant Load (kg/day)	1386.4	1831.8	2494.1	2895.8	2680.6
	% Change Proposed*					-7.4%

* Includes removal of discharge 1.1 which represents a particulate loading of 10.8 kg/day plus combining fume hood east and west discharges and melter vent discharge into 1.2