

Facility: Lumber Mill

Operating Scenario 1

Permit Number: 38-9999

Emissions Detail:

Emissions Unit ID	Device/process ID	Pollutant	Production/Process Rates				Emissions Factor			Emissions		
			Short term		Annual		Rate	Units	Reference	short term	units	(tons/yr)
			Rate	Units	Rate	Units						
BLR	BLR-1	PM	50,000	lb steam/hr	328500	klb steam/yr	0.2	lb/klb steam	Source test	10.0	lb/hr	32.9
		PM10	50,000	lb steam/hr	328500	klb steam/yr	0.1	lb/klb steam	50% of PM	5.0	lb/hr	16.4
		PM2.5	50,000	lb steam/hr	328500	klb steam/yr	0.06	lb/klb steam	60% of PM10	3.0	lb/hr	9.9
		SO2	50,000	lb steam/hr	328500	klb steam/yr	0.013	lb/klb steam	DEQ	0.7	lb/hr	2.1
		NOx	50,000	lb steam/hr	328500	klb steam/yr	0.31	lb/klb steam	DEQ	15.5	lb/hr	50.9
		CO	50,000	lb steam/hr	328500	klb steam/yr	3	lb/klb steam	DEQ	150.0	lb/hr	492.8
		VOC	50,000	lb steam/hr	328500	klb steam/yr	0.13	lb/klb steam	DEQ	6.5	lb/hr	21.4
		GHG	5	BDT HF/hr	32038	BDT HF/yr	66.9	lb/BDT HF	DEQ	334.5	lb/hr	1071.7
	BLR-2	PM/PM10/PM2.5	79,700	ft^3 n.g./hr	524	million ft^3/yr	2.5	lb/10^6 ft^3	DEQ	0.2	lb/hr	0.7
		SO2	79,700	ft^3 n.g./hr	524	million ft^3/yr	1.7	lb/10^6 ft^3	DEQ	0.1	lb/hr	0.4
		NOx	79,700	ft^3 n.g./hr	524	million ft^3/yr	100	lb/10^6 ft^3	DEQ	8.0	lb/hr	26.2
		CO	79,700	ft^3 n.g./hr	524	million ft^3/yr	84	lb/10^6 ft^3	DEQ	6.7	lb/hr	22.0
		VOC	79,700	ft^3 n.g./hr	524	million ft^3/yr	5.5	lb/10^6 ft^3	DEQ	0.4	lb/hr	1.4
		GHG	79,700	ft^3 n.g./hr	524	million ft^3/yr	120,280	lb/10^6 ft^3	DEQ	9586.3		31513.4
Kilns	6 kilns	PM/PM10/PM2.5	780	MBF/month	8,000	MBF/yr	0.02	lb/MBF	DEQ	15.6	lb/month	0.1
		VOC	780	MBF/month	8,000	MBF/yr	0.49	lb/MBF	DEQ	382.2	lb/month	2.0
CYC	C-1	PM	350	BDT/yr	4200	BDT/yr	0.5	lb/BDT	DEQ	175	lb/month	1.1
		PM10	350	BDT/yr	4200	BDT/yr	0.25	lb/BDT	DEQ	87.5	lb/month	0.5
	C-2	PM/PM10/PM2.5	700	BDT/yr	8400	BDT/yr	0.001	lb/BDT	DEQ	0.7	lb/month	0.004
VOC	painting	See EU502 for detail of material balance								6.5	tons/mo.	66.3
AI		PM	See ED602 for justification									1.0
		PM10	See ED602 for justification									1.0
		PM2.5	See ED602 for justification									1.0
		SO2	See ED602 for justification									1.0
		NOx	See ED602 for justification									1.0
		CO	See ED602 for justification									1.0
		VOC	See ED602 for justification									1.0
		GHG	See ED602 for justification									2756

