

Table 1 - Miscellaneous Material Handling Emission Limits

Air Permit to Install Application
WCEV, Rogers City, Michigan

Emission Unit Name	Model Source ID	Proposed BACT Emission Limit (grains/dscf)	Equivalent BACT PM-10 Emission Limit (lb/hr)	Modeled 24-hour Avg. PM-10 Emission (lb/hr)	Peak PM-10 Emission Limit (lb/hr)	Equivalent Peak PM-10 Emission (grains/dscf)	Material Limit	Control Efficiency	SCFM
EULIMESTONE	LIMECRSH	0.004	0.26	0.010	0.010	0.00016	None	99%	7,500
EULIMESTONEPREP	LIMEPREP & 2	0.004	1.37	0.000604	0.000604	0.0000018	None	99%	40,000
EUBEDASH	BEDASH	0.004	0.44	0.000051	0.0012	0.000011	1,440 ton/day ash	99%	12,795
EUFLYASHSTORAGE	FLYASH	0.004	0.15	0.000051	0.0012	0.000032	1,440 ton/day ash	99%	4,310
EUSOLIDFUELHANDLING	TRSF3RH3 & 4	0.004	0.51	0.00984	0.236	0.00184	60,000 ton/day coal from ship	99%	15,000
EUCOALCRUSHER	CLCRUSHS	0.004	0.55	0.00276	0.00276	0.000020	None	99%	16,000
EUCOALSILOS	SBTG1 & SBTG2	0.004	0.04	0.00276	0.00276	0.000025	None	99%	1,300

lb/hr = pound per hour

grains/dscf = grains per dry standard cubic foot

SCFM = standard cubic feet per minute

ton/day = tons per day

lb/hr X 1/SCFM X 1 hr/60 min X 7,000 grains/lb = grains/dscf

Air Density at standard temperature and pressure = 0.075 pound per cubic foot

1 pound = 7,000 grains