

Comparison between Current and Proposed Air Emissions Permit for Crofton Mill

Facility	Current Permit	Proposed
#3 Recovery Boiler		
max discharge	3290 m3/min	4400 m3/min
Total PM	230 mg/m3	135 mg/m3
TRS	9.2 mg/m3	9.2 mg/m3
#4 Recovery Boiler		
max discharge	4960 m3/min	7000 m3/min when #3 & #4 operating; 9000 m3/min when #3 shut down
Total PM	230 mg/m3	135 mg/m3 ; (max) 165 mg/m3 when #3 shut down
TRS	9.2 mg/m3	9.2 mg/m3 (TRS as H2S)? (avg. daily)
#4 Power Boiler		
max discharge	4210 m3/min	7000 m3/min
Fuel	sludge subject to evaluation	no condition for sludge
PM	230 mg/m3 (salt free)	180 mg/m3 max; 165 mg/m3 rolling avg of previous 4 consecutive stack tests
#5 Power Boiler		
max discharge	2850 m3/min	2850 m3/min
PM	165 mg/3 @ 12% CO2	limit disappeared
Fuel		Oil, Nat gas
#1 & 2 Lime Kilns		
max discharge	6520 m3/min for lime kilns #1,2, dissolving tanks #1,2,3,4, misc TRS Sources through stacks identified as as 1,2a, 4, 5a, 8,9,10,13,17,18,19,20	6520 m3/min for lime kilns 1,2; recovery dissolving tank #3,4; TRS Emergency Stack; B Seal Tank Vent; Brown Stock Washer Hood A, B; A foam Tank Vent and Seal Tanks Vent
Total PM	230 mg/m3 for lime kilns 1,2	150 mg/m3 for lime kilns 1,2
dissolving tanks #1,2	0.4 kg/ADUt	
dissolving tanks #3,4	0.2 kg/ADUt	0.2 kg/ADUt/day
TRS	0.225 kg/ADUt	0.225 kg/ADUt/day all sources
Kraft pulp machines, TMP Pulp Machines, Newspring Machines, Maintenance shops, Lab Ventilation, Fume Hoods, Storage Tank Vents		
max discharge	21,800 m3/min	"Max authorized rate of discharge is indeterminate."
Bleach and Chemical Plants		
discharges are typical of emissions from the bleaching of pulp and manufacture of bleaching chemicals	"3030 m3/min	60 m3/s = 3600 m3/min
Secondary Effluent Treatment Sludge		

The disposal of secondary
treatment sludges by
incineration is subject to an
evaluation by MOE. Based on
the results of this evaluation,
the Mgr may request an
alternate disposal method

**Total Discharge Current = 27,710 m3/min ; Proposed = 31,370;
Proposed =113.21% Current + indeterminate levels**