

ASH POND Limitation Procedure

Waste Stream	Flow MGD	Allowable		Mass	
		conc. (mg/l)		limitation (lb/day)	
		30 day	1-day	30 day	1-day
<u>Oil & Grease</u>					
Ash Sluice Water	0.543	15	20	68	91
Low Volume Wastes & Metal					
cleaning waste etc.	0.720	15	20	90	120
Total	1.263			158	211

Coal pile runoff (based on 10yr. 24hr event of 7.5 in over area of 5.9 acres, with runoff C = 0.5)

30 day	0.02	0	-	0	0
1 day	0.60	-	0	0	0
				158	211

allowable	30-day	$158 \div 8.34 \div 1.263 = 19.8$	use 15
conc.	1-day	$211 \div 8.34 \div 1.263 = 13.5$	use 15

Total suspended solids

Ash Sluice Water	0.543	30	100	136	453
Low Volume wastes, metal cleaning etc.	0.720	30	100	180	600
Total	1.263			316	1053

coal pile runoff

30-day	0.02	30	-	5	
1-day	0.6	-	30		150

allowable	30-day	$321 \div 8.34 \div 1.263 = 29.998$	use 30
conc.	1-day	$1203 \div 8.34 \div 1.263 = 117.4$	use 77