

Patuxent WRF Biosolids Production 2008

	January	February	March	April	May	June	July	August	September	October	November	December
Thickener %Solids (avg)	1.7	1.9	1.8	1.8	2	1.8	1.7	1.9	2	2.1	1.8	1.9
Sludge Cake %Solids (avg)	13.6	13.4	13.5	13.9	16.8	15.2	14.1	13.9	13.5	14.3	14.2	13.9
Lime Cake %Solids (avg)	9.4	9.6	9.6	9.5	12.8	12.1	10.7	11.9	13.5	13.4	13	12.7
Tanker Sludge %Solids (avg)	10.2	9.5	9.2	9.3	11.3	11.7	10.3	10.8	12.5	11.9	11.3	11
Tanker Net # (total)	3,888,880	4,408,420	4,084,820	4,011,820	3,726,280	3,393,460	3,359,420	3,013,980	2,559,460	3,286,360	3,139,580	3,466,440
Tanker Dry Tons (total)	171	208.2	187	191	210	186	168	161	151	176	155	177
Filtrate SS mg/L (avg)	285	279	317	418	436	366	318	316	505	423	397	279
WRF Effluent Flow MGD (avg)	4.9	5.1	5.04	5.1	6.1	5.3	5.1	4.9	4.9	4.8	4.8	4.9
MLSS (mg/L) avg	3443	3560	2880	2802	2635	2724	2240	2492	2431	2443	2218	2209
Total N (mg/L)	2.2	2.4	2.27	1.8	2.02	1.59	1.48	1.12	1.58	1.72	1.49	1.63
Total P (mg/L)	0.1	0.2	0.15	0.17	0.13	0.11	0.14	0.2	0.23	0.16	0.1	0.1
Lime Usage (DT Delivered)	24.13	24.48	24.91	22.84	0	50.13	24.08	0				

Patuxent WRF Biosolids Lab Results: Atlantic Coast Lab 2008

Parameter	Permit Limits		March	June	September	December
	Average	Maximum				
Total Phosphorous (mg/kg)	n/a	n/a	22,924	19,882	18,365	24,129
Total Potassium (mg/kg)	n/a	n/a	4,514	3,520	2,436	3,581
Total Kjeldahl Nitrogen (%)	n/a	n/a	5.6	5.8787	4.2314	6.3565
Ammonium Nitrogen (%)	n/a	n/a	0.11	0.1488	0.0562	0.1702
Nitrate Nitrogen (mg/kg)	n/a	n/a	0.005	111	89.1	39.2
Cadmium (mg/kg)	39	85	ND	ND	ND	ND
Copper (mg/kg)	1500	4300	90.9	179	100	151
Nickel (mg/kg)	420	420	19.4	18.7	13.1	57
Lead (mg/kg)	300	840	12.9	13	ND	14
Zinc (mg/kg)	2800	7500	356.0	477	383	398
Mercury (mg/kg)	17	57	0.54	2.39	0.769	0.33
Arsenic (mg/kg)	41	75	ND	ND	ND	ND
Molybdenum (mg/kg)	report avg	75	ND	ND	ND	40.9
Selenium (mg/kg)	100	100	ND	ND	ND	8.95
PCBs (mg/kg)	n/a	n/a	n/a	ND	n/a	n/a
Calcium Carbonate Equivalent (%)	n/a	n/a	14	12.3	8	2.8
Solids Content (%)	n/a	n/a	10.5	12.7	15.6	12.4
pH	n/a	n/a	10.93	11.18	11.49	11.5