

Patuxent WRF Biosolids Production 2007

	January	February	March	April	May	June	July	August	September	October	November	December
Thickener %Solids (avg)	1.8	2.2	1.9	1.8	1.6	1.4	1.5	1.4	1.6	1.7	1.6	1.6
Sludge Cake %Solids (avg)	12.4	12.8	12.8	12.6	13.2	12.5	13.2	13.4	14.1	13	14	12.6
Lime Cake %Solids (avg)	10.5	10.8	12.3	12.1	10.9	12.1	11.8	12.2	10.1	10.8	10.6	10.4
Tanker Sludge %Solids (avg)	11.2	11.2	12.5	12.8	11.1	11.4	10.1	10.5	9.6	9.9	10.2	10.5
Tanker Net # (total)	3,611,940	2,519,520	2,502,760	4,138,060	4,705,760	3,320,020	3,093,580	3,489,640	2,677,880	3,586,540	2,745,060	2,772,780
Tanker Dry Tons (total)	201	140	153	261	245	188	159	178	113	149	125	130
Filtrate SS mg/L (avg)	889	855	894	954	868	492	358	296	317	454	390	299
WRF Effluent Flow MGD (avg)	5.45	5.11	5.3	5.4	5.06	4.92	4.77	4.78	4.77	4.8	4.78	4.9
MLSS (mg/L) avg	3513	3777	3879	4069	3293	2666	2528	2798	2788	2662	2861	3229
Total N (mg/L)	2	2.2	1.9	1.5	1.7	1.7	1.3	0.6	1.3	1.6	1.6	1.9
Total P (mg/L)	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.2	<0.1	0.2	0.2	0.2
Lime Usage (DT Delivered)	0	0	22.98	0	23.98	0	23.75	0	24.01	24.79	23.19	0

**Patuxent WRF Biosolids Lab Results: Atlantic Coast Lab 2007**

Parameter	Permit Limits		March	June	September	December
	Average	Maximum				
Total Phosphorous (mg/kg)	n/a	n/a	46,260.00	25,600.00	25,092.00	22,638.00
Total Potassium (mg/kg)	n/a	n/a	4,460.00	5,283.00	3,968.00	4,124.00
Total Kjeldahl Nitrogen (%)	n/a	n/a	7.10	6.45	5.61	6.99
Ammonium Nitrogen (%)	n/a	n/a	0.37	0.45	0.74	0.17
Nitrate Nitrogen (mg/kg)	n/a	n/a	<12	<3.82	<0.73	153.00
Cadmium (mg/kg)	39	85	<2.17	<4.30	<2.49	<3.81
Copper (mg/kg)	1500	4300	166.00	222.00	304.00	123.00
Nickel (mg/kg)	420	420	16.00	29.40	24.80	17.10
Lead (mg/kg)	300	840	12.20	23.50	29.80	12.30
Zinc (mg/kg)	2800	7500	345.00	536.00	737.00	407.00
Mercury (mg/kg)	17	57	0.50	<0.450	1.26	0.74
Arsenic (mg/kg)	41	75	<4.33	<5.78	<12.0	<9.16
Molybdenum (mg/kg)	report avg	75	8.59	10.60	<6.23	<4.76
Selenium (mg/kg)	100	100	<4.33	8.20	<12.0	14.40
PCBs (mg/kg)	n/a	n/a	n/a	n/a	n/a	n/a
Calcium Carbonate Equivalent (%)	n/a	n/a	7.50	14.10	9.86	21.50
Solids Content (%)	n/a	n/a	11.10	8.65	8.19	10.50
pH	n/a	n/a	11.90	6.67	6.67	11.59