



ECOLOTRON, INC.

WATER RECOVERY SYSTEMS

Contaminant Removal Performance

Contaminant	Wastewater Source	Concentration (mg/L)		% Removal
		Raw	After Treatment	
Alkalinity	Municipal Wastewater	267	11	95.8
Aluminum	Can Manufacturing	224	0.69	99.7
Ammonia	Food Processing	49	19.4	60.41
Arsenic	Acid Drainage	0.3	<0.01	96.7
Bacteria, Virus, Cyst	Municipal Wastewater	110,000,000	2700	99.998
Barium	Steam Cleaner	8	<0.01	99.8+
BOD	Municipal Wastewater	1050	14	98.67
Boron	Mining	2.7	1.7	37
Cadmium	Electroplating	31	0.34	98.9
Calcium	Cooling Tower	1321	21.4	98.4
Chromium, total	Electroplating	210	0.0216	99.99
Cobalt	Metal Harvester	0.1238	0.0214	82.7
Coliform	Municipal Wastewater	318,000	0	99.9+
Color removal	Textile and Dye	2340	4.5	99.8
Copper	Electroplating	287	0.484	99.8
Cyanide	Electroplating	10.19	0.89	91.3
Fats, Oil, Grease	Food Processing	18165	26	99.8
Fluoride	Mining	0.59	0.16	69.5
Iron	Acid Drainage	151	0.57	99
Lead	Foundry	8.21	0.23	97.2
Magnesium	Metal Harvester	13.15	0.0444	99.66
Manganese	Metal Harvester	1.061	0.0184	98.27
Mercury	Steam Cleaner	0.01	<0.002	80.0+
Molybdenum	Steam Cleaner	0.18	0.035	80.7
Nickle	Manufacturing	185	0.2	99.9
Nitrate	Food Processing	21	12	42.88
Phenol	Mining	520	145	72.1
Phosphates	Municipal Wastewater	36	0	99.9+
Radium (pCi/L)	Leaching Operation	1093	19	98
Selenium	Drainage	0.068	0.038	44
Silicon	Acid Drainage	21.7	<0.1	99.5
Silver	Film Processing	42	0.09	99.8
Sulfate	Mining	104	68	34.6
Strontium	Canal	2.74	1.40	48.9
TDS	Mining	1060	470	55.66
Tin	Metal Harvester	0.213	<0.02	90.61+
Total Hardness	Municipal Wastewater	127	11	91.3
TKN	Food Processing	1118	59.08	94.72
TOC	Syn Fuel	1278	2.0	99.8
TSS	Municipal Wastewater	4620	7	99.85
Uranium	Mining	14.6	0.6	95.9
Canadium	Syn Fuel	0.2621	0.0035	98.66
Volatile Solids	Municipal Wastewater	12300	126	99
Uranium	Leaching Operation	16.2	0.6	96.3
Zinc	Electroplating	221	0.014	99.9+